PROFESSOR X

paraplegic

THE WINTER SOLDIER

prosthetic arm

DOCTOR STRANGE

extensive nerve damage

HAWKEYE

deaf

WE ARE ALL JUST TEMPORARILY ABLED

Cindy Li
1975 - 2018

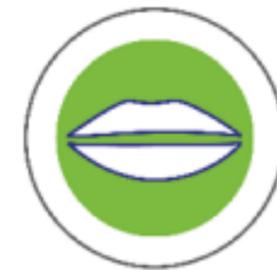A WEB FOR ANYONE, ANYWHERE, ANYTIME

ROWDY.CODES   ROWDYRABOUW   ROWDYRABOUW

	Touch	See	Hear	Speak	Cognitive
Permanent	One arm	Blind	Deaf	Non-verbal	ADHD/ concentration difficulties
Temporary	Arm injury	Cataract	Ear-infection	Laryngitis	Fatigue / depression
Situational	Carry a baby or a computer	Sun on screen	Noisy surroundings	Heavy accent	Open office-landscape

THIS IS FOR EVERYONE

ROWDY RABOUW

Front-End Focused Senior DevOps Engineer
with a focus on usability and accessibility

Webdeveloper since 1996

Google Developer Expert in Web Technologies

❤️ superhero and superheroine movies

ACCESSIBILITY

11 CHARACTERS

A11Y

NUMERONYM FOR ACCESSIBILITY

A11Y IRL

ACCESSIBLE

WCAG 2.2

WEB CONTENT ACCESSIBILITY GUIDELINES

HOW TO MAKE WEB CONTENT MORE ACCESSIBLE FOR PEOPLE WITH DISABILITIES

4 PRINCIPLES

13 GUIDELINES — 86 SUCCESS CRITERIA

PERCEIVABLE

PEOPLE MUST BE ABLE TO FIND YOUR CONTENT
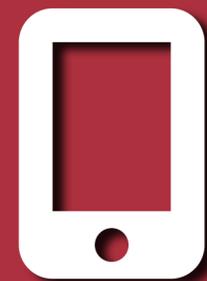
OPERABLE

PEOPLE MUST BE ABLE TO USE YOUR WEBSITE
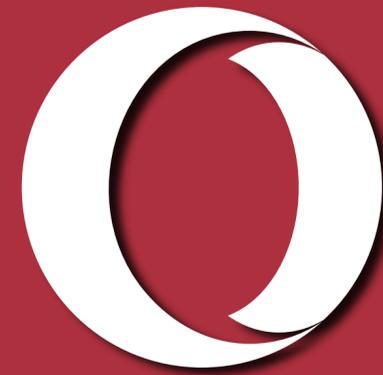
UNDERSTANDABLE

PEOPLE MUST BE ABLE TO UNDERSTAND YOUR WEBSITE

ROBUST

YOUR WEBSITE MUST WORK WITH DIFFERENT AND FUTURE TECHNOLOGIES
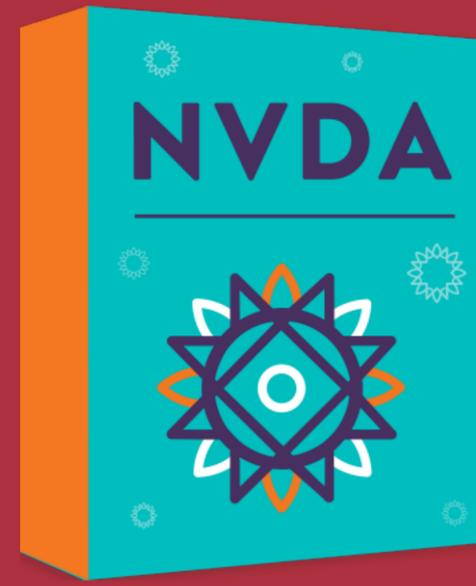
ROBUST

VoiceOver with Safari
(macOS)

Narrator with Edge
(Windows)

NVDA with Firefox
(Windows)
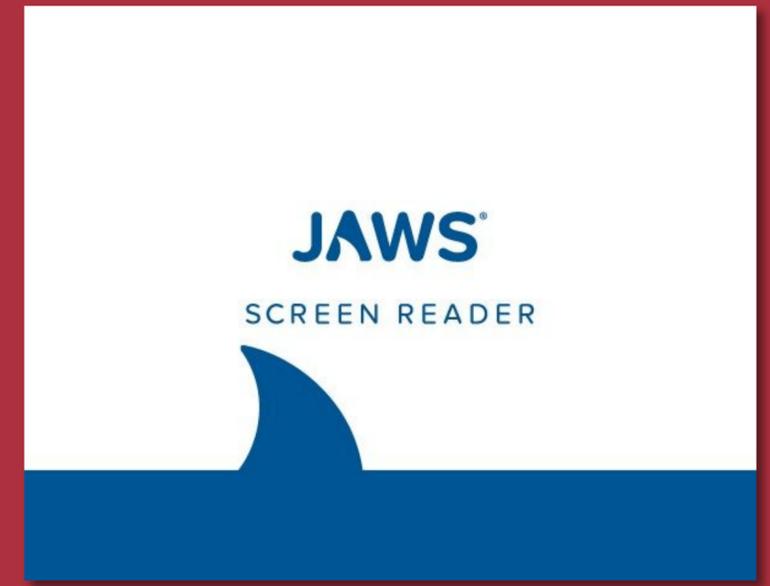
JAWS with Chrome
(Windows)

VoiceOver (iOS)

TalkBack (Android)

sip-and-puff

tubusOne

head pointer
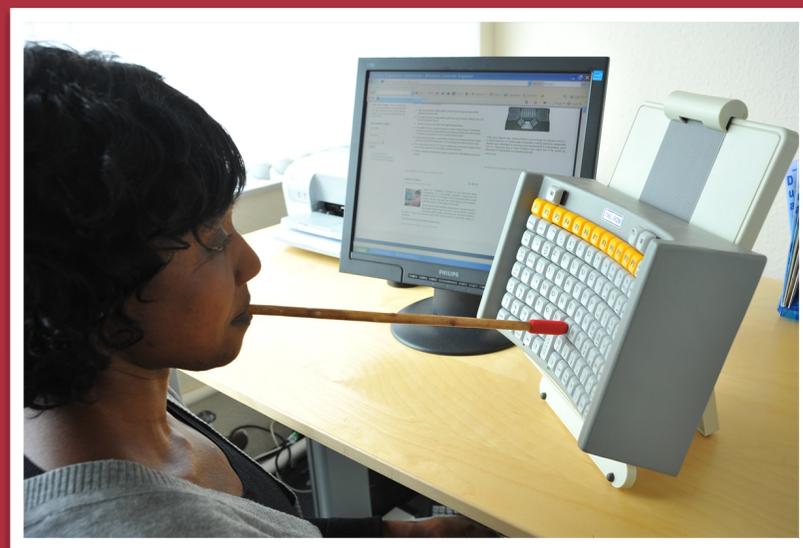
mouth stick
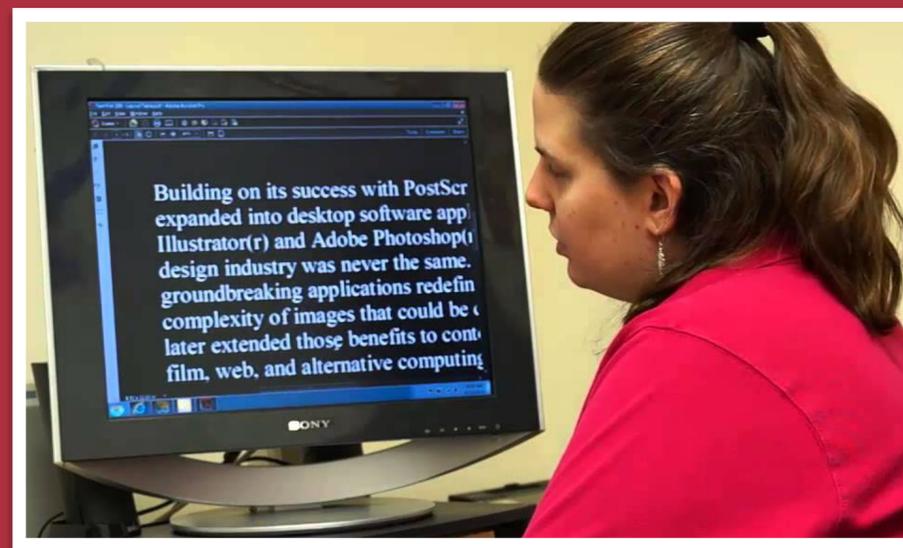
screen magnifier
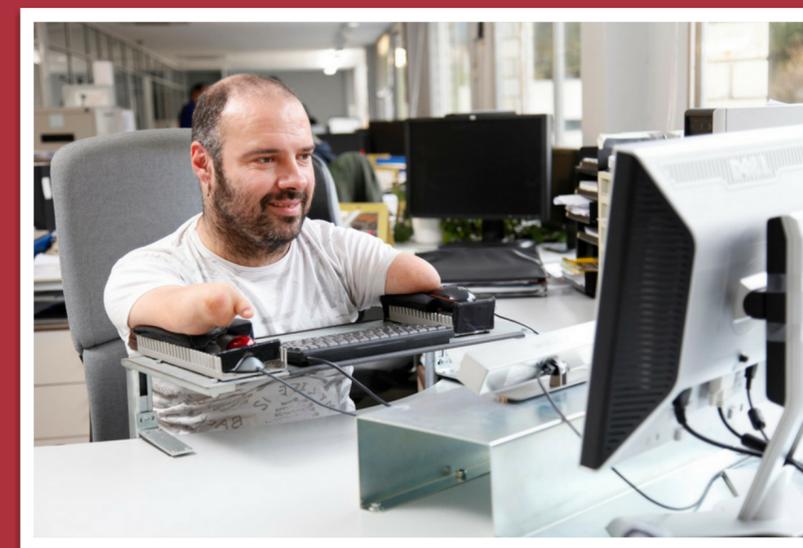
eye tracking
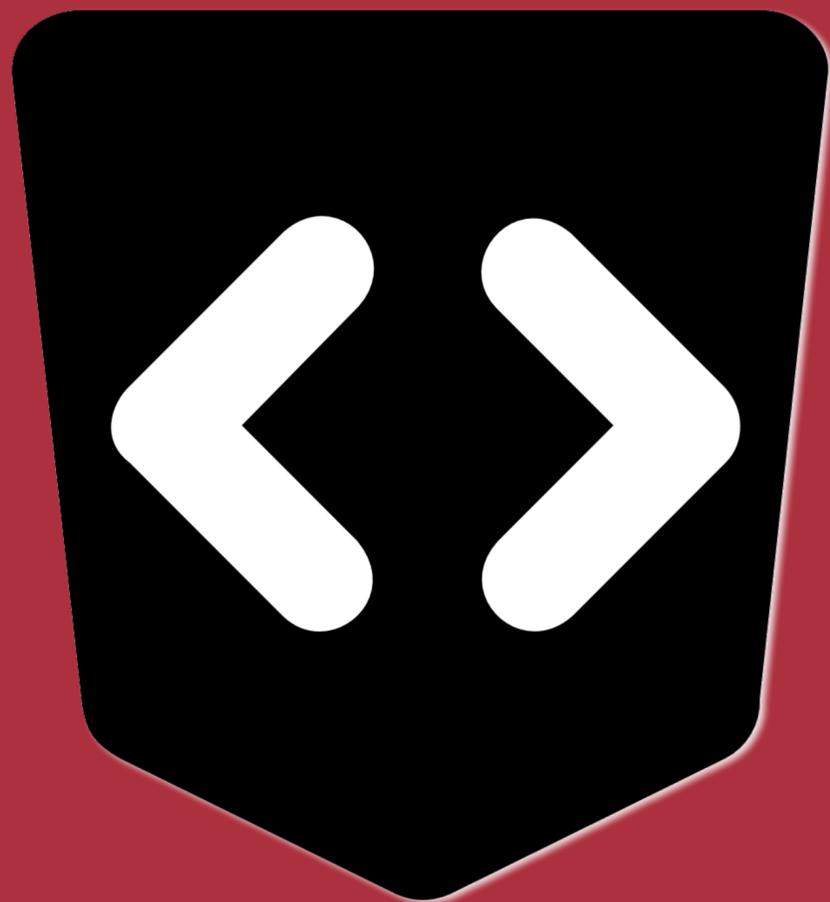
SEMANTIC HTML

YOU'VE GOT 99+ HTML ELEMENTS AND THE DIV IS JUST ONE ...

HEADINGS

```
<h1>Hulk</h1>
<h2>Doctor Strange</h2>
<h3>Black Panther</h3>
<h4>Captain Marvel</h4>
<h5>Star-Lord</h5>
<h6>Ant-Man</h6>
```

Headings

1: Hulk
2: Doctor Strange
3: Black Panther
4: Captain Marvel
5: Star-Lord
6: Ant-Man

- ONLY USE ONE HEADING LEVEL 1 PER PAGE

- DON'T SKIP HEADING LEVELS

- DON'T USE HEADINGS FOR STYLING PURPOSES, USE CLASSES

SECTIONING ELEMENTS

```
<header>
    <nav>...</nav>
    <nav>...</nav>
</header>
<main>...</main>
<aside>...</aside>
<footer>
    <nav>...</nav>
</footer>
```

Landmarks

banner
navigation
navigation
main
complementary
content information
navigation

SECTIONING ELEMENTS

```html
<header>
  <nav aria-label="main">...</nav>
  <nav aria-label="breadcrumbs">...</nav>
</header>
<main>...</main>
<aside>...</aside>
<footer>
  <nav aria-label="secondary">...</nav>
</footer>
```

Landmarks

banner
main navigation
breadcrumbs navigation
main
complementary
content information
secondary navigation

LINK VS. BUTTON

Links

Continue

CONTINUE

Form Controls

Continue button

```
<a href="/next-page.html" class="btn">Continue</a>

<button type="button" class="btn" onclick="someFunction()">Continue</button>
```

A DIV IS NOT A BUTTON

A DIV IS NOT A BUTTON

A DIV IS NOT A BUTTON

EMAIL

SUBMIT

```html
<form                      >
    <label for="email">E-mail</label>
    <input id="email" name="email" />
    <div class="btn"                        >Submit</div>
</form>

<script>



</script>
```

```html
<form                        >
  <label for="email">E-mail</label>
  <input id="email" name="email" />
  <div class="btn" id="submitButton"            >Submit</div>
</form>

<script>



  const el = document.getElementById("submitButton");

  el.addEventListener("click", (event) => {

  });




</script>
```

```html
<form id="newsletterForm">
  <label for="email">E-mail</label>
  <input id="email" name="email" />
  <div class="btn" id="submitButton"                                            >Submit</div>
</form>

<script>



  const el = document.getElementById("submitButton");

  el.addEventListener("click", (event) ⇒ {
    submitForm();
  });





  const submitForm = () ⇒ {
    document.getElementById("newsletterForm").submit();
  };
</script>
```

```html
<form id="newsletterForm">
  <label for="email">E-mail</label>
  <input id="email" name="email" />
  <div class="btn" id="submitButton" tabindex="0"                       >Submit</div>
</form>

<script>



  const el = document.getElementById("submitButton");

  el.addEventListener("click", (event) => {
    submitForm();
  });









  const submitForm = () => {
    document.getElementById("newsletterForm").submit();
  };
</script>
```

```html
<form id="newsletterForm">
  <label for="email">E-mail</label>
  <input id="email" name="email" />
  <div class="btn" id="submitButton" tabindex="0" role="button">Submit</div>
</form>

<script>



  const el = document.getElementById("submitButton");

  el.addEventListener("click", (event) => {
    submitForm();
  });





  const submitForm = () => {
    document.getElementById("newsletterForm").submit();
  };
</script>
```

```html
<form id="newsletterForm">
  <label for="email">E-mail</label>
  <input id="email" name="email" />
  <div class="btn" id="submitButton" tabindex="0" role="button">Submit</div>
</form>

<script>
  const ENTER = 13;
  const SPACE = 32;

  const el = document.getElementById("submitButton");

  el.addEventListener("click", (event) ⇒ {
    submitForm();
  });

  el.addEventListener("keydown", (event) ⇒ {
    if (event.keyCode === ENTER || event.keyCode === SPACE) {
      event.preventDefault();
      submitForm();
    }
  });

  const submitForm = () ⇒ {
    document.getElementById("newsletterForm").submit();
  };
</script>
```

```html
<form id="newsletterForm">
  <label for="email">E-mail</label>
  <input id="email" name="email" />
  <div class="btn" id="submitButton" tabindex="0" role="button">Submit</div>
</form>

<script>
  const ENTER = 13;
  const SPACE = 32;

  const el = document.getElementById("submitButton");

  el.addEventListener("click", (event) => {
    submitForm();
  });

  el.addEventListener("keydown", (event) => {
    if (event.keyCode === ENTER || event.keyCode === SPACE) {
      event.preventDefault();
      submitForm();
    }
  });

  const submitForm = () => {
    document.getElementById("newsletterForm").submit();
  };
</script>
```

```html
<form>
  <label for="email">E-mail</label>
  <input id="email" name="email" />
  <button class="btn">Submit</button>
</form>
```

A DIV IS NOT
A BUTTON?

A div is not

a button

ROLES, STATES, AND PROPERTIES

alert	directory	log	progressbar	switch
alertdialog	document	main	radio	tab
application	feed	marquee	radiogroup	table
article	figure	math	region	tablist
banner	form	menu	row	tabpanel
button	grid	menubar	rowgroup	term
cell	gridcell	menuitem	rowheader	textbox
checkbox	group	menuitemcheckbox	scrollbar	timer
columnheader	heading	menuitemradio	search	toolbar
combobox	img	navigation	searchbox	tooltip
complementary	link	none	separator	tree
contentinfo	list	note	slider	treegrid
definition	listbox	option	spinbutton	treeitem
dialog	listitem	presentation	status	

ROLES, STATES, AND PROPERTIES

aria-activedescendant
aria-atomic
aria-autocomplete
aria-busy
aria-checked
aria-colcount
aria-colindex
aria-colspan
aria-controls
aria-current
aria-describedby
aria-description
aria-details
aria-disabled

aria-dropeffect
aria-errormessage
aria-expanded
aria-flowto
aria-grabbed
aria-haspopup
aria-hidden
aria-invalid
aria-keyshortcuts
aria-label
aria-labelledby
aria-level
aria-live
aria-modal

aria-multiline
aria-multiselectable
aria-orientation
aria-owns
aria-placeholder
aria-posinset
aria-pressed
aria-readonly
aria-relevant
aria-required
aria-roledescription
aria-rowcount
aria-rowindex
aria-rowspan

aria-selected
aria-setsize
aria-sort
aria-valuemax
aria-valuemin
aria-valuenow
aria-valuetext

FIRST RULE OF ARIA

DO NOT USE ARIA

NATIVE HTML ELEMENTS OR ATTRIBUTES FIRST

A WEB FOR ANYONE, ANYWHERE, ANYTIME   ROWDY.CODES   ROWDYRABOUW   ROWDYRABOUW

SECOND RULE OF ARIA

DO NOT CHANGE NATIVE HTML SEMANTICS

```html
<!-- don't do this -->
<div role="button" onClick="doSomething();">Click</div>

<!-- do this instead -->
<button type="button" onClick="doSomething();">Click</button>
```

THIRD RULE OF ARIA

ALL INTERACTIVE CONTROLS MUST BE ABLE TO RECEIVE KEYBOARD FOCUS

```
<marvelous-button tabindex="0">................</marvelous-button>
```

0   INSERTS ELEMENT INTO THE NATURAL TAB ORDER

-1   REMOVES ELEMENT FROM THE NATURAL TAB ORDER

> 0 JUMPS ELEMENT TO THE FRONT OF THE NATURAL TAB ORDER

FOURTH RULE OF ARIA

FOR ALL FOCUSABLE ELEMENTS, NEVER ADD ROLE="PRESENTATION" OR ARIA-HIDDEN="TRUE"

```html
<!-- don't do this -->
<button role="presentation">submit</button>

<!-- or this -->
<button aria-hidden="true">submit</button>

<!-- or even this -->
<div aria-hidden="true">
  <button>submit</button>
</div>
```

FIFTH RULE OF ARIA

GIVE ALL INTERACTIVE ELEMENTS AN ACCESSIBLE NAME

```html
<!-- don't do this -->
Search: <input type="text" />

<!-- do this -->
Search: <input type="search" aria-label="Search" />

<!-- or better, do this -->
<label for="search">Search</label>: <input type="search" id="search"/>
```

ARIA-LABEL

OVERRIDES ELEMENT'S NAME, REPLACING IT WITH TEXT YOU SPECIFY

```
<button>×</button>
```

ARIA-LABEL

OVERRIDES ELEMENT'S NAME, REPLACING IT WITH TEXT YOU SPECIFY

```
<button aria-label="Close">×</button>
```

ARIA-LABELLEDBY

OVERRIDES ELEMENT'S NAME, REPLACING IT WITH CONTENTS OF ANOTHER ELEMENT

```html
<section aria-labelledby="mcu-heading">
  <h2 id="mcu-heading">Marvel Cinematic Universe movies</h2>
  <ul>
    <li>Captain America: The First Avenger</li>
    <li>Guardians of the Galaxy Vol. 2</li>
    <li>Shang-Chi and the Legend of the Ten Rings</li>
    <li>...</li>
  </ul>
</section>
```

ARIA-DESCRIBEDBY

SETS ELEMENT'S DESCRIPTION TO THE CONTENTS OF ANOTHER ELEMENT

```html
<form>
  <label for="username">Username</label>
  <p>Username must be 6 to 15 characters.</p>
  <p>Username may contain alphanumeric characters.</p>
  <input id="username" type="text"/>
</form>
```

ARIA-DESCRIBEDBY

SETS ELEMENT'S DESCRIPTION TO THE CONTENTS OF ANOTHER ELEMENT

```html
<form>
  <label for="username">Username</label>
  <p id="length">Username must be 6 to 15 characters.</p>
  <p id="format">Username may contain alphanumeric characters.</p>
  <input id="username" type="text" aria-describedby="length format" />
</form>
```

DESCRIPTIVE LABELS

PROVIDE MORE INFORMATION ABOUT A USER INTERFACE ELEMENT

```html
<!-- don't do this -->
<a href="/">Read more</a>

<!-- do this -->
<a aria-label="Read more about Ant-Man" href="/">Read more</a>

<!-- or better, do this -->
<a href="/">Read more<span class="sr-only"> about Ant-Man</span></a>
```

DESCRIPTIVE LABELS

CSS class to visually hide content, but not for screen readers

```css
.sr-only:not(:focus):not(:active) {
  clip: rect(0 0 0 0);
  clip-path: inset(50%);
  height: 1px;
  overflow: hidden;
  position: absolute;
  white-space: nowrap;
  width: 1px;
}
```

PERCEIVABLE

COLOR CONTRAST

COLOR CONTRAST BETWEEN BACKGROUND AND FOREGROUND

CONTENT SHOULD BE AT A MINIMUM LEVEL TO ENSURE LEGIBILITY

WebAIM
web accessibility in mind

LOW CONTRAST TEXT
79,1%

The WebAIM Million
https://webaim.org/projects/million/

CONTRAST RATIO

CAN RANGE FROM 1 TO 21 (COMMONLY WRITTEN 1 : 1 TO 21 : 1)

TEXT SHOULD HAVE A MINIMUM RATIO OF 4.5 : 1
LARGE TEXT OR BOLD TEXT SHOULD HAVE A MINIMUM RATIO OF 3 : 1

18PT ≈ 24PX
14PT BOLD ≈ 18.5PX

RELATIVE LUMINANCE

RELATIVE BRIGHTNESS OF ANY POINT IN A COLORSPACE

0   **1**

$(L1 + 0.05) / (L2 + 0.05)$

L1 is the relative luminance of the lighter of the two colors, and
L2 is the relative luminance of the darker of the colors

for the sRGB colorspace, the relative luminance of a color is defined as
$L = 0.2126 * R + 0.7152 * G + 0.0722 * B$

where R, G and B are defined as
if RsRGB <= 0.04045 then R = RsRGB/12.92 else R = $((RsRGB+0.055)/1.055) \wedge 2.4$
if GsRGB <= 0.04045 then G = GsRGB/12.92 else G = $((GsRGB+0.055)/1.055) \wedge 2.4$
if BsRGB <= 0.04045 then B = BsRGB/12.92 else B = $((BsRGB+0.055)/1.055) \wedge 2.4$

and RsRGB, GsRGB, and BsRGB are defined as
RsRGB = R8bit/255
GsRGB = G8bit/255
BsRGB = B8bit/255

COLOR CONTRAST CHECKERS

Contrast Checker

Home > Resources > Contrast Checker

Foreground Color

#0000FF

Lightness

↔

Background Color

#FFFFFF

Lightness

Contrast Ratio

8.59:1

COLOR SELECTION

SEE GRAYSCALE   SHARE SAMPLE   RESET

FOREGROUND
407A6D

BACKGROUND
FFFFFF

	Sample 12px	Lorem ipsum dolor sit amet, consectetur adipiscing elit, sd diam nonmumy eiusmod rom tempor incidunt ut lsbore et dolore magna aliquam erat volupat.
	Sample 18px	Lorem ipsum dolor sit amet, consectetur adipiscing elit

GET FROM IMAGE   RATIO: **4.97**   ⊕ ADD TO HISTORY

🔵 WCAG - Contrast checker

Documents   NASA Astronaut to Discuss American ...

Level	color-blindness	Auto-refresh
AA	none	on

✗	1.88	small		1 title	
✗	3.63	small		21 a	👁
✗	4.04	small		55 ▶ a	👁
✗	4.04	small		7 span	👁
✓	5.2	small		7 a	👁
✓	5.78	small		1 a	👁
✓	7.46	small		7 div	👁
✓	9.69	small		1 div	👁
✓	12.29	small		1 a	👁

👁 83 visible   👁 62 hidden

↻ check contrast

Foreground color (hex.)   Background color (hex.)
#000000   #FFFFFF

14pt	**14pt bold**	18pt

Size	Contrast	AA	AAA
small	21	✓	✓
Large	21	✓	✓

Colour Contrast Analyser (CCA)

Foreground colour

HEX   #FCFCFC

↕ ⚏ 💧 ❓

Background colour

HEX   #46E662

⚏ 💧 ❓

▼ Sample preview

example text showing contrast   📊

WCAG 2.1 results   Contrast ratio
1.6:1

▶ **1.4.3 Contrast (Minimum) (AA)**
  ❌ Fail (regular text)   ❌ Fail (large text)

▶ **1.4.6 Contrast (Enhanced) (AAA)**
  ❌ Fail (regular text)   ❌ Fail (large text)

▶ **1.4.11 Non-text Contrast (AA)**
  ❌ Fail (UI components and graphical objects)

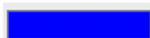
COLOR CONTRAST CHECKERS

Contrast Checker

Home > Resources > Contrast Checker

Foreground Color

#0000FF

Lightness

Background

#FFFFFF

Lightness

↔

Contrast Ratio

8.59:1

TEASER TRAILER

h2.openText__title   188.93 × 26

Color   ■ #202020

Font   26px RobotoCondensed, "Trebuchet ...

Margin   21.58px 0px 30px

ACCESSIBILITY

Contrast   Aa   16.29 ✓

Name   TEASER TRAILER

Role   heading

Keyboard-focusable   🚫

COLOR SELECTION

FOREGROUND
407A6D

BACKGROUND
FFFFFF

GET FROM IMAGE

Sample
12px

Sample
18px

Lorem ipsum ...
tempor incidu...

Lorem ipsum dolor sit amet, consectetur adipiscing elit

RATIO: **4.97**

+ ADD TO HISTORY

Colour Contrast Analyser (CCA)

Foreground colour

HEX   #FCFCFC

Background colour

HEX   #46E662

▼ Sample preview

example text showing contrast

WCAG 2.1 results   Contrast ratio
                                          1.6:1

▶ 1.4.3 Contrast (Minimum) (AA)

⊗ Fail (regular text)   ⊗ Fail (large text)

▶ 1.4.6 Contrast (Enhanced) (AAA)

⊗ Fail (regular text)   ⊗ Fail (large text)

▶ 1.4.11 Non-text Contrast (AA)

⊗ Fail (UI components and graphical objects)

FIFTY SHADES OF GREY

CONTRAST RATIO

BE CAREFUL WITH TEXT SHADOWS

BE CAREFUL WITH TEXT OUTLINES

BE CAREFUL WITH TEXT ON BACKGROUND IMAGES

USE OF COLOR

COLOR SHOULD NOT BE SOLELY RELIED UPON TO CONVEY INFORMATION

COLOR BLINDNESS

EMAIL

SUBMIT

DEUTERANOPIA

MONOCHROMACY

Deuteranopia

EMAIL

SUBMIT

Monochromacy

EMAIL

SUBMIT

Deuteranopia

EMAIL

SUBMIT

Monochromacy

EMAIL

SUBMIT

A WEB FOR ANYONE, ANYWHERE, ANYTIME

ROWDY.CODES ROWDYRABOUW ROWDYRABOUW

DEUTERANOPIA

MONOCHROMACY

Deuteranopia

EMAIL

SUBMIT

Deuteranopia

EMAIL

SUBMIT

Monochromacy

EMAIL

SUBMIT

Monochromacy

EMAIL

SUBMIT

ALT TEXT

ALL IMAGES THAT CONVEY MEANINGFUL CONTENT
SHOULD BE GIVEN SUITABLE ALTERNATIVE TEXT

WebAIM
web accessibility in mind

MISSING ALTERNATIVE TEXT
18,5%

The WebAIM Million
https://webaim.org/projects/million/

```html
<img src="mg-9370-1.jpg" />
```

```html
<img
  src="mg-9370-1.jpg"
  alt="Nick Fury is holding Goose the Flerken. Multiple tentacles extend
  from Goose's mouth in order to swallow the Tesseract. Captain Marvel
  (seen from the back) is holding the Tesseract." />
```
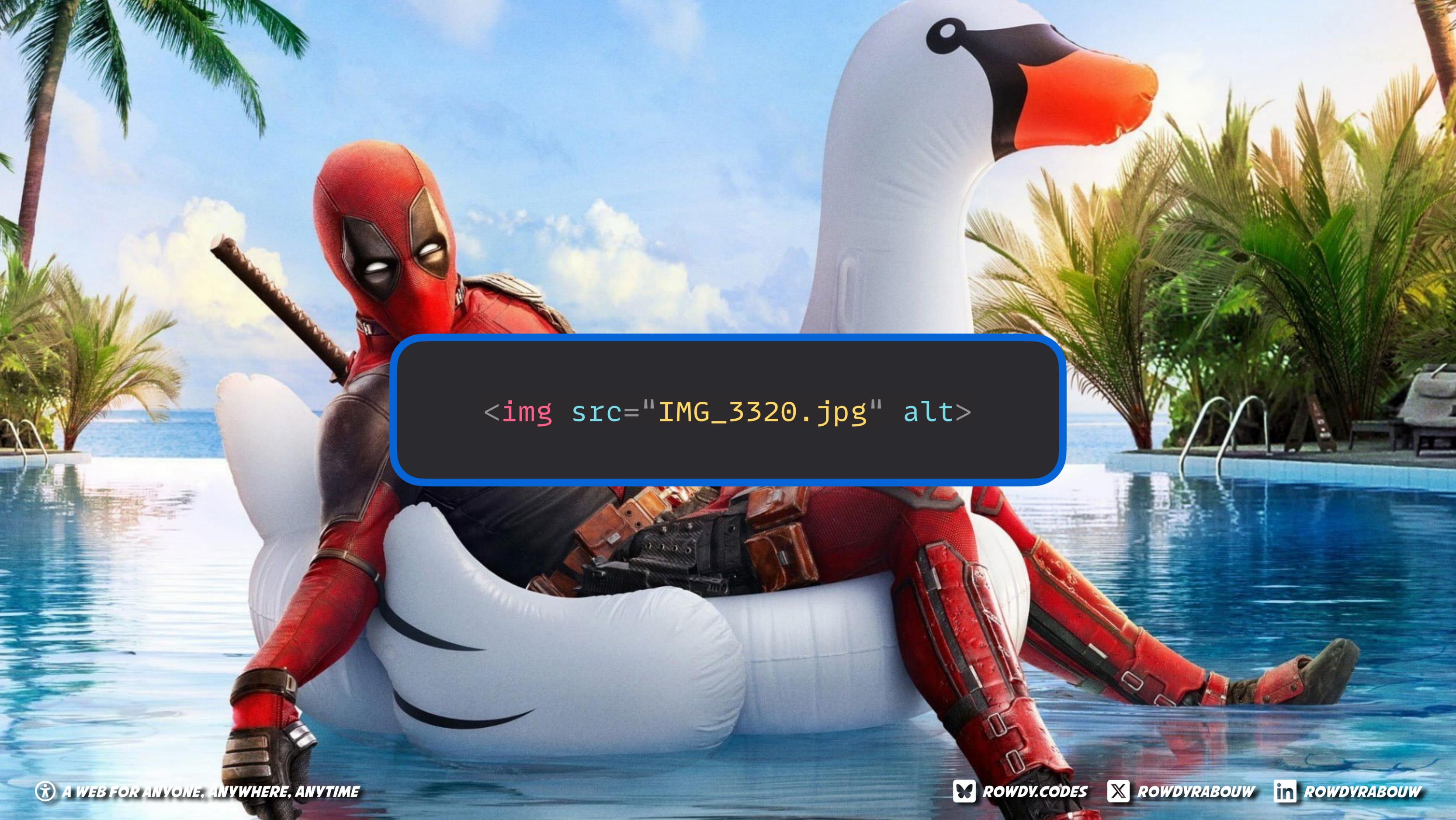
```
<img src="IMG_3320.jpg" alt>
```

```css
header {
  background-image: url("IMG_3320.jpg");
  background-size: cover;
}
```

CAPTIONS

PROVIDE CAPTIONS FOR VIDEO PRESENTED ON THE WEB FOR THE BENEFIT OF PEOPLE WHO CAN'T HEAR THE AUDIO PART OF THE VIDEO

SUBTITLES

TRANSLATION FOR VIEWERS WHO MAY NOT SPEAK THE LANGUAGE

CLOSED CAPTIONS

NOT ONLY SHOW WHAT'S BEING SAID BUT ALSO DESCRIBE OTHER SOUNDS

OPEN CAPTIONS

BURNT INTO THE VIDEO AND CAN'T BE TURNED OFF

CC

YIAnd(SMASHINGSOUNDS)yree!

AUDIO DESCRIPTIONS

AUDIO DESCRIPTIONS SHOULD BE PROVIDED IF THE EXISTING
AUDIO DOES NOT CONVEY THE FULL MEANING EXPRESSED BY THE VIDEO

ORIGINAL VIDEO HIDDEN ON PURPOSE

AUDIO DESCRIBED VIDEO HIDDEN ON PURPOSE

OPERABLE

FOCUS

VISUAL INDICATOR MUST BE SHOWN FOR CURRENTLY FOCUSED ELEMENT

I'm the strongest Avenger, okay?

Okay, so the "how" works. Now we gotta figure out the when and the where. Almost all of us has had an encounter with at least one of the six [Infinity Stones](). Look, us sitting here staring at that thing is not gonna bring everybody back. I'm the strongest Avenger, okay?
So this responsibility falls upon me. It's my duty.

- ⦿ Iron man
- ○ Captain America
- ○ Black Widow

Favorite Avenger

[   ]

[pick up Mjölnir]

I'm the strongest Avenger, okay?

Okay, so the "how" works. Now we gotta figure out the when and the where. Almost all of us has had an encounter with at least one of the six [Infinity Stones](). Look, us sitting here staring at that thing is not gonna bring everybody back. I'm the strongest Avenger, okay?
So this responsibility falls upon me. It's my duty.

- ● Iron man
- ○ Captain America
- ○ Black Widow

Favorite Avenger

```css
/* don't do this */
*:focus {
    outline: 0;
}
```

pick up Mjölnir

I'm the strongest Avenger, okay?

Okay, so the "how" works. Now we gotta figure out the when and the where. Almost all of us has had an encounter with at least one of the six [Infinity Stones](). Look, us sitting here staring at that thing is not gonna bring everybody back. I'm the strongest Avenger, okay?
So this responsibility falls upon me. It's my duty.

- ⦿ Iron man
- ○ Captain America
- ○ Black Widow

Favorite Avenger

[   ]

[pick up Mjölnir]

```css
/* you can do this */
*:focus {
  outline: 0;
}

/* if you also do this */
```

```css
a:focus {
  color: #fff;
  box-shadow: inset 250px 0 0 0 #c02f39;
  transition: color 0.3s ease-in-out,
              box-shadow 0.3s ease-in-out;
}

label:focus-within {
  background-color: #c02f39;
  color: #fff;
  padding-right: 0.5rem;
}

input[type="text"]:focus {
  border: 2px dashed #c02f39;
  color: #c02f39;
}

button:focus {
  background-color: #c02f39;
  color: rgb(255, 255, 255);
}
```

SKIP TO CONTENT

MAKE IT EASY TO SKIP SEGMENTS

MARVEL

search...

Comics

Movies

Merchandise

```html
<body>
    <a href="#main-content" class="skip-link">Skip to content</a>
    <header>



    <main id="main-content">
        <h1>Avengers Endgame Ipsum</h1>
```

```css
.skip-link {
  clip: rect(1px, 1px, 1px, 1px);
  display: block;
  height: 1px;
  overflow: hidden;
  position: absolute;
  width: 1px;
  top: 1rem;
  left: 1rem;
  z-index: 999;
  outline: 0;
  text-decoration: none;
}
```

```css
.skip-link:focus {
  clip: auto;
  height: auto;
  overflow: visible;
  width: auto;
  color: #fff;
  background-color: #282828;
  border: 4px solid #fff;
  border-radius: 0.5em;
  padding: 0.75rem 1.5rem;
}
```

REDUCE MOTION

STOP MAKING PEOPLE WITH MOTION SENSITIVITIES SICK

https://www.apple.com

unicef

Donate to support families affected by the war in Ukraine ↗

MacBook Air

Supercharged by M2

Available next month

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```css
.animation {
  animation-iteration-count: infinite;
}


@media (prefers-reduced-motion: reduce) {
  .animation {
    animation: none;
  }
}
```

```html
<script>
  const video = document.querySelector("video");

  const prefersMotion =
          window.matchMedia("(prefers-reduced-motion: no-preference)");

  if (prefersMotion.matches) {
    video.play();
  }
</script>
```

UNDERSTANDABLE

LANG ATTRIBUTE

SPECIFIES THE NATURAL LANGUAGE OF THE CONTENT

WebAIM
web accessibility in mind

MISSING DOCUMENT LANGUAGE

14,9%

The WebAIM Million
https://webaim.org/projects/million/

```html
<!DOCTYPE html>
<html lang="en">
  <head>
```

- SCREEN READERS

- BROWSER AUTO-TRANSLATE

- SEARCH ENGINES

Un sourire coûte moins cher que l'électricité, mais donne autant de lumière.

```html
<blockquote>Un sourire coûte moins cher que l'électricité, mais donne autant de lumière.</blockquote>

<!--
  A smile costs less than electricity, but gives as much light. — Abbé Pierre
-->
```

Un sourire coûte moins cher que l'électricité, mais donne autant de lumière.

```html
<blockquote lang="fr">Un sourire coûte moins cher que
l'électricité, mais donne autant de lumière.</blockquote>

<!--
  A smile costs less than electricity, but gives as
  much light. — Abbé Pierre
-->
```

من طلب العلى سهر الليالي

```html
<blockquote lang="ar">من طلب العلى سهر الليالي</blockquote>
<!--
  He who desires the top must sit up many nights
  aka The road to success is paved with hard work
  — Arabic proverb
-->
```

من طلب العلى سهر الليالي

```css
@font-face {
  font-family: "cairo-regular";
  src: url("/assets/fonts/cairo.woff") format("woff");
}

:lang(ar) {
  font-family: "cairo-regular", serif;
  direction: rtl;
}
```

Joke can tell us a joke.

joke@example.com

```html
<!DOCTYPE html>
<html lang="en">

...

<p>Joke can tell us a joke.</p>
<p>joke@example.com</p>
```

Vitsi voi kertoa meille vitsin.
vitsi@example.com

Joke kann uns einen Witz erzählen.
witz@beispiel.com

Een grap kan ons een mop vertellen.
grap@voorbeeld.com

Joke ons een mop kan vertellen.

joke@example.com

```
<!DOCTYPE html>
<html lang="en">

...

<p><span translate="no">Joke</span> can tell us a joke.</p>
<p translate="no">joke@example.com</p>
```

FORMS

FORM INPUT LABEL

```html
<!-- please don't do this -->
<form>
  <input name="email" placeholder="E-mail" />
  <button class="btn">Submit</button>
</form>
```

```html
<!-- do this -->
<form>
  <label for="email">E-mail</label>
  <input id="email" name="email" />
 <button class="btn">Submit</button>
</form>
```

PLACEHOLDER ATTRIBUTE

DATE OF BIRTH

DD-MM-YYYY

- HARD TO READ

- HARD TO REMEMBER

PLACEHOLDER ATTRIBUTE

DATE OF BIRTH

Format: DD-MM-YYYY

PLACEHOLDER ATTRIBUTE

CREDIT CARD NUMBER

XXXX XXXX XXXX XXXX

Sara Soueidan

Uncle Ben
Benjamin "Ben" Parker

A WEB FOR ANYONE, ANYWHERE, ANYTIME   ROWDY.CODES   ROWDYRABOUW   ROWDYRABOUW

Stan Lee
1922 - 2018

rowdy.codes/a11y

MERCI BEAUCOUP

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