

Converting Colors

CIELCh(19, 78.455, 308.143)

Have a look what the booklet for
CIELCh(19, 78.455, 308.143)
contains.

CIELCh(19, 78.423, 308.189)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(19, 78.423, 308.189)

Conversions

Conversions Part 1

Format	Color
Hex	300B8B
RGB	48, 11, 139
RGB Percent	19%, 4%, 55%
CMY	0.8109, 0.9560, 0.4542
CMYK	0.65, 0.92, 0.00, 0.45
HSL	257°, 85%, 29%
HSV	257°, 92%, 55%
XYZ	6.0237, 2.7468, 24.7043
YIQ	36.6550, -19.0360, 47.6520

Conversions

Conversions Part 2

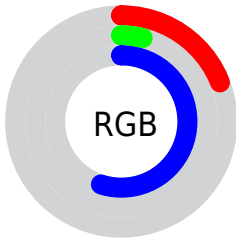
Format	Color
RYB	48, 11, 139
Decimal	3148683
CIELab	19.00, 48.49, -61.64
CIELCh	19, 78.423, 308.189
Yxy	2.7468, 0.1799, 0.0821
Android (android.graphics.Color)	4281338763 (0xFF300B8B)
YUV	36.6550, 50.4561, 9.9496
Hunter-Lab	16.5735, 35.8725, -76.7754

Details

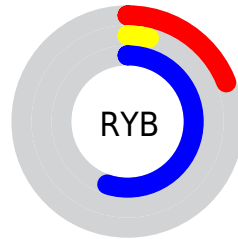
The CIELCh color **19, 78.423, 308.189** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **53, 62.569, 118.495**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 78.567, 308.221**, and **6, 61.112, 305.997** is the 20% darker color. If you saturate the color by 10%, you get **17, 82.687, 308.395**, and if you desaturate by 10%, it is **22, 72.039, 307.829**.

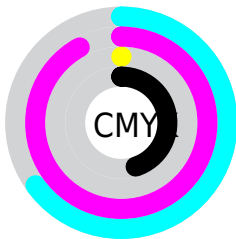
Distribution



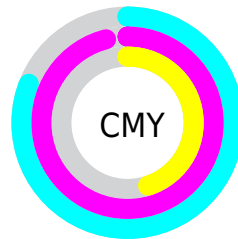
- Red (19%)
- Green (4%)
- Blue (55%)



- Red (19%)
- Yellow (4%)
- Blue (55%)



- Cyan (65%)
- Magenta (92%)
- Yellow (0%)
- Black (45%)



- Cyan (81%)
- Magenta (96%)
- Yellow (45%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 78.423, 308.189 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 19, 78.423, 308.189 by changing the saturation by 10% instead.

 19, 78.423,
308.189

 19, 78.423,
308.189


 100, 78.423,
308.189


 9, 78.423, 308.189


 39, 78.423,
308.189

 0, 78.423, 308.189

 49, 78.423,
308.189

 59, 78.423,
308.189


 69, 78.423,
308.189

 79, 78.423,
308.189


 89, 78.423,

308.189


 99, 78.423,
308.189

 19, 78.423,
308.189


 19, 78.423,
308.189


 17, 82.687,
308.395

 22, 72.039,
307.829

 25, 63.957,
307.127

 29, 54.984,
306.248

 34, 45.687,
305.316

 38, 36.397,
304.406

■ 43, 27.285,
303.558

■ 48, 18.430,
302.789

■ 52, 9.862, 302.103

■ 57, 1.585, 301.482

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



19, 78.423, 308.189



53, 62.569, 118.495

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



19, 78.423, 308.189



19, 78.423, 358.189



19, 78.423, 128.189



19, 78.423, 178.189

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



19, 78.424, 308.190



57, 29.478, 303.291



41, 28.894, 248.205



28, 20.643, 303.600



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19, 78.424, 308.190



24, 100.580, 308.202



28, 72.799, 320.570



27, 4.596, 301.925



16, 79.794, 308.437



0, 2.102, 301.393

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



31, 58.531, 342.354



40, 71.897, 344.065



51, 71.909, 134.107



27, 4.443, 334.415



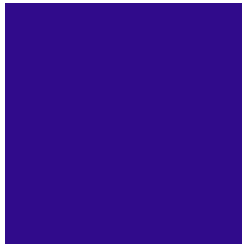
29, 57.495, 343.534



0, 2.048, 333.851

Previews

White Background



This preview shows how the CIE LCh color 19, 78.423, 308.189 looks on a white background.

Color Contrast Check

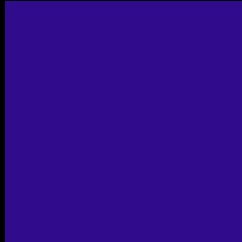
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 19, 78.423, 308.189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

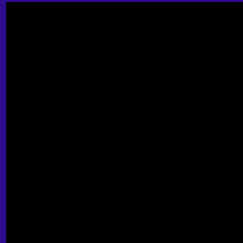
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 19, 78.423, 308.189

Background



This preview shows how black text looks on a background with the CIELCh color 19, 78.423, 308.189.



This preview shows how white text looks on a background with the CIELCh color 19, 78.423, 308.189.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

19, 78.423, 308.189

Protanopia

19, 35.167, 283.496

Deuteranopia

20, 24.357, 267.367



Tritanopia
19, 15.962, 206.601

Trichromacy



Original Color
19, 78.423, 308.189

Protanomaly
17, 53.660, 298.717

Deuteranomaly
17, 45.896, 295.793

Tritanomaly
17, 34.087, 290.064

Monochromacy



Original Color
19, 78.423, 308.189

Achromatopsia
15, 0.003, 296.813

Achromatomaly
14, 32.665, 305.657

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 78.423, 308.189 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(48, 11, 139)` looks like.

```
.text, #text, p{  
    color:rgb(48, 11, 139)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(48, 11, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 11, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 78.423, 308.189 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(48, 11, 139) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(48, 11, 139) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(48, 11, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 11, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 11, 139);  
box-shadow:4px 4px 4px 4px rgb(48, 11,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 78.423, 308.189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 11, 139) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(48, 11,  
139) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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