

Converting Colors

CIELCh(48, 81.409, 318.177)

Have a look what the booklet for
CIELCh(48, 81.409, 318.177)
contains.

CIELCh(48, 81.397, 318.088)	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(48, 81.397, 318.088)

Conversions

Conversions Part 1

Format	Color
Hex	A545CF
RGB	165, 69, 207
RGB Percent	65%, 27%, 81%
CMY	0.3524, 0.7289, 0.1878
CMYK	0.20, 0.67, 0.00, 0.19
HSL	282°, 59%, 54%
HSV	282°, 67%, 81%
XYZ	28.9557, 16.7945, 60.8255
YIQ	113.4360, 12.9180, 63.2700

Conversions

Conversions Part 2

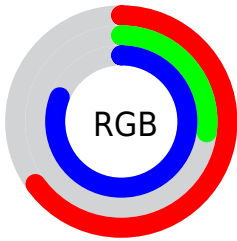
Format	Color
R_{YB}	165, 69, 207
Decimal	10831311
CIE _{Lab}	48.00, 60.57, -54.37
CIE _{LCh}	48, 81.397, 318.088
Yxy	16.7945, 0.2717, 0.1576
Android (android.graphics.Color)	4289021391 (0xFFA545CF)
YUV	113.4360, 46.1271, 45.2216
Hunter-Lab	40.9810, 54.4046, -59.3136

Details

The CIELCh color **48, 81.397, 318.088** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **75, 77.889, 132.332**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 76.666, 319.611**, and **28, 81.076, 318.047** is the 20% darker color. If you saturate the color by 10%, you get **44, 90.559, 318.111**, and if you desaturate by 10%, it is **52, 70.522, 317.883**.

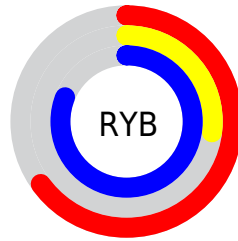
Distribution



Red (65%)

Green (27%)

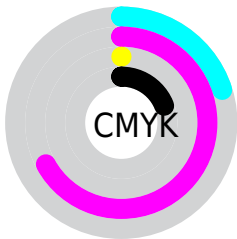
Blue (81%)



Red (65%)

Yellow (27%)

Blue (81%)

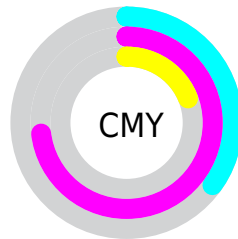


Cyan (20%)

Magenta (67%)

Yellow (0%)

Black (19%)



Cyan (35%)

Magenta (73%)

Yellow (19%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 81.397, 318.088 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 48, 81.397, 318.088 by changing the saturation by 10% instead.

 48, 81.397,
318.088


 48, 81.397,
318.088


 100, 81.397,
318.088


 38, 81.397,
318.088

 68, 81.397,
318.088


 28, 81.397,
318.088

 78, 81.397,
318.088


 18, 81.397,
318.088


 88, 81.397,
318.088

 8, 81.397, 318.088

 98, 81.397,
318.088

 0, 81.397, 318.088

 48, 81.397,

 48, 81.397,

318.088

44, 90.559,
318.111

41, 97.368,
317.885

39, 101.441,
317.360

39, 102.499,
317.154

318.088

52, 70.522,
317.883

57, 58.572,
317.558

63, 46.053,
317.161


68, 33.330,
316.731

74, 20.644,
316.290

79, 8.145, 315.848

85, 4.079, 135.508

91, 15.984,
135.094

 97, 27.229,
134.640

Harmonies

Complementary

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



48, 81.397, 318.088



75, 77.889, 132.332

Rectangle

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



48, 81.397, 318.088



48, 81.397, 8.088



48, 81.397, 138.088



48, 81.397, 188.088

Sweetspot

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



48, 81.396, 318.088



86, 29.492, 316.449



49, 55.544, 286.293



44, 20.168, 316.575



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



48, 81.396, 318.088



53, 109.761, 318.048



53, 73.209, 334.391



41, 7.048, 315.973



31, 87.759, 317.293



4, 28.301, 315.740

Inverse Universe

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



50, 57.775, 6.515



57, 78.264, 11.673



74, 74.972, 143.238



41, 4.822, 356.493



35, 63.964, 20.285



4, 20.512, 5.338

Previews

White Background



This preview shows how the CIELCh color 48, 81.397, 318.088 looks on a white background.

Color Contrast Check

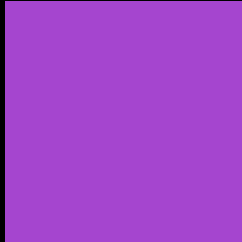
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 48, 81.397, 318.088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

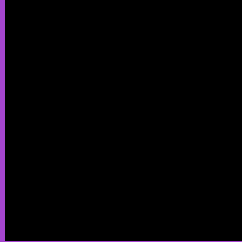
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 81.397, 318.088

Background



This preview shows how black text looks on a background with the CIELCh color 48, 81.397, 318.088.

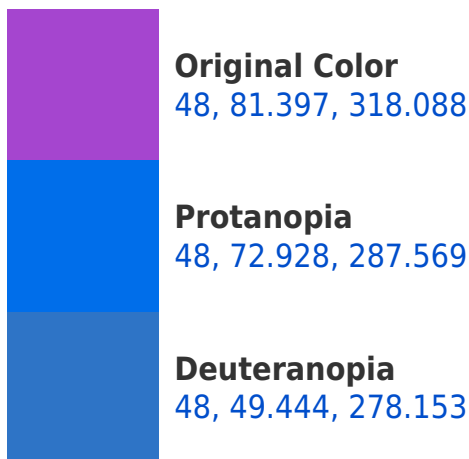


This preview shows how white text looks on a background with the CIELCh color 48, 81.397, 318.088.

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





Tritanopia
48, 21.698, 9.999

Trichromacy



Original Color
48, 81.397, 318.088



Protanomaly
45, 76.210, 294.498



Deuteranomaly
46, 60.275, 295.314



Tritanomaly
47, 40.301, 332.496

Monochromacy



Original Color
48, 81.397, 318.088



Achromatopsia
48, 0.006, 296.813



Achromatomaly
47, 32.292, 317.142

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 81.397, 318.088 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(165, 69, 207)` looks like.

```
.text, #text, p{  
    color:rgb(165, 69, 207)  
}
```

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(165, 69, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 69, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 81.397, 318.088 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(165, 69, 207) }
```

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

```
.border{ border-color:rgb(165, 69, 207) }
```

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

Here you see how a box with a 4 pixel rgb(165, 69, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 69, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 69, 207);  
box-shadow:4px 4px 4px 4px rgb(165, 69,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 81.397, 318.088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 69, 207) }
```

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

```
.background{ background-color: rgb(165, 69,  
207) }
```

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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