

Converting Colors

CIELCh(48, 76.218, 306.323)

Have a look what the booklet for
CIELCh(48, 76.218, 306.323)
contains.

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Color

CIELCh(48, 76.212, 306.280)

Conversions

Conversions Part 1

Format	Color
Hex	7F59DB
RGB	127, 89, 219
RGB Percent	50%, 35%, 86%
CMY	0.5016, 0.6507, 0.1408
CMYK	0.42, 0.59, 0.00, 0.14
HSL	258°, 64%, 60%
HSV	258°, 59%, 86%
XYZ	25.1407, 16.7945, 68.9927
YIQ	115.1820, -19.0820, 48.4860

Conversions

Conversions Part 2

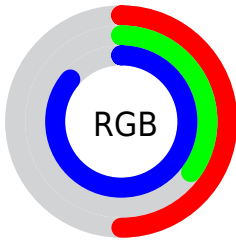
Format	Color
R_{YB}	127, 89, 219
Decimal	8346075
CIE _{Lab}	48.00, 45.10, -61.44
CIE _{LCh}	48, 76.212, 306.280
Yxy	16.7945, 0.2266, 0.1514
Android (android.graphics.Color)	4286536155 (0xFF7F59DB)
YUV	115.1820, 51.1823, 10.3644
Hunter-Lab	40.9810, 37.7879, -71.1296

Details

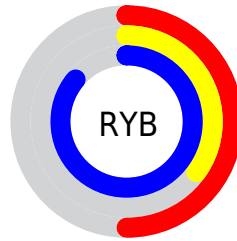
The CIELCh color **48, 76.212, 306.280** is a dark color, and the websafe version is hex **9966FF**. The color can be described as middle muted purple. A complement of this color would be **83, 66.304, 118.294**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 64.927, 307.988**, and **28, 76.423, 306.394** is the 20% darker color. If you saturate the color by 10%, you get **42, 89.213, 307.182**, and if you desaturate by 10%, it is **54, 62.753, 305.326**.

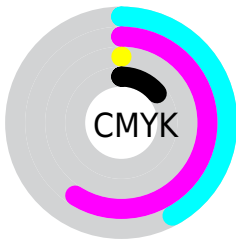
Distribution



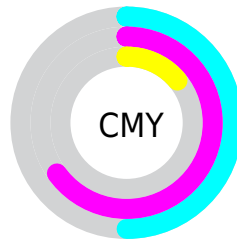
- Red (50%)
- Green (35%)
- Blue (86%)



- Red (50%)
- Yellow (35%)
- Blue (86%)



- Cyan (42%)
- Magenta (59%)
- Yellow (0%)
- Black (14%)





- Cyan (50%)
- Magenta (65%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 76.212, 306.280 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, 76.212, 306.280 by changing the saturation by 10% instead.


 48, 76.212,
306.280


 48, 76.212,
306.280


 100, 76.212,
306.280

 38, 76.212,
306.280

 68, 76.212,
306.280


 28, 76.212,
306.280


 78, 76.212,
306.280

 18, 76.212,
306.280

 88, 76.212,
306.280

 8, 76.212, 306.280

 98, 76.212,
306.280

 0, 76.212, 306.280

 48, 76.212,

 48, 76.212,

306.280

42, 89.213,
307.182

37, 100.895,
307.897

33, 110.020,
308.245

30, 115.757,
308.135

30, 116.095,
308.130

306.280

54, 62.753,
305.326

61, 49.329,
304.397

68, 36.189,
303.537


74, 23.441,
302.762

81, 11.124,
302.074

88, 0.758, 121.542

95, 12.219,
120.960

99, 18.231,
113.294

 99, 18.160,
108.804

Harmonies

Complementary

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



48, 76.212, 306.280



83, 66.304, 118.294

Rectangle

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



48, 76.212, 306.280



48, 76.212, 356.280



48, 76.212, 126.280



48, 76.212, 176.280

Sweetspot

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



48, 76.211, 306.281



86, 24.621, 302.675



70, 31.750, 237.722



44, 17.198, 302.891



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, 76.211, 306.281



48, 103.190, 307.366



55, 77.527, 320.674



42, 6.766, 302.080



23, 97.323, 308.270



3, 30.161, 302.194

Inverse Universe

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



58, 65.388, 338.756



62, 83.744, 340.121



79, 75.776, 134.871



43, 6.520, 334.587



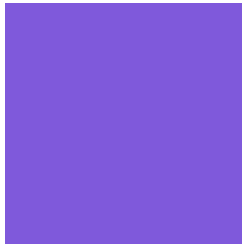
38, 69.531, 344.229



6, 28.168, 340.822

Previews

White Background



This preview shows how the CIELCh color 48, 76.212, 306.280 looks on a white background.

Color Contrast Check

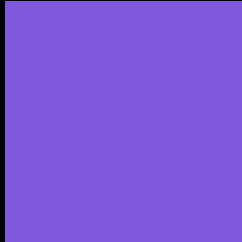
Large Text (above 18pt) WCAG AA ✓ Pass

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, 76.212, 306.280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

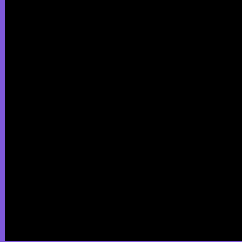
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 76.212, 306.280

Background



This preview shows how black text looks on a background with the CIELCh color 48, 76.212, 306.280.



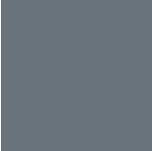
This preview shows how white text looks on a background with the CIELCh color 48, 76.212, 306.280.

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, 6.690, 251.864

Trichromacy



Original Color
48, 76.212, 306.280



Protanomaly
47, 74.215, 291.466



Deuteranomaly
46, 61.232, 286.575



Tritanomaly
47, 31.498, 297.922

Monochromacy



Original Color
48, 76.212, 306.280



Achromatopsia
48, 0.006, 296.813



Achromatomaly
48, 28.271, 303.056

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 76.212, 306.280 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(127, 89, 219)` looks like.

```
.text, #text, p{  
    color:rgb(127, 89, 219)  
}
```

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(127, 89, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 89, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 76.212, 306.280 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(127, 89, 219) }
```

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

```
.border{ border-color:rgb(127, 89, 219) }
```

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

Here you see how a box with a 4 pixel rgb(127, 89, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 89, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 89, 219);  
box-shadow:4px 4px 4px 4px rgb(127, 89,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 76.212, 306.280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 89, 219) }
```

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

```
.background{ background-color: rgb(127, 89,  
219) }
```

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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