

Converting Colors

CIELCh(48, 75.359, 308.749)

Have a look what the booklet for
CIELCh(48, 75.359, 308.749)
contains.

CIELCh(48, 75.360, 308.748)	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>	26

Color

CIELCh(48, 75.360, 308.748)

Conversions

Conversions Part 1

Format	Color
Hex	8756D6
RGB	135, 86, 214
RGB Percent	53%, 34%, 84%
CMY	0.4687, 0.6611, 0.1589
CMYK	0.37, 0.60, 0.00, 0.16
HSL	263°, 61%, 59%
HSV	263°, 60%, 84%
XYZ	25.6304, 16.7945, 65.8330
YIQ	115.2430, -11.8840, 50.1960

Conversions

Conversions Part 2

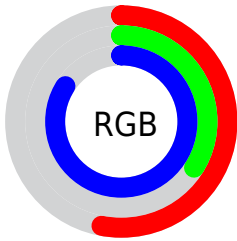
Format	Color
RYB	135, 86, 214
Decimal	8869590
CIELab	48.00, 47.17, -58.77
CIELCh	48, 75.360, 308.748
Yxy	16.7945, 0.2368, 0.1551
Android (android.graphics.Color)	4287059670 (0xFF8756D6)
YUV	115.2430, 48.6872, 17.3269
Hunter-Lab	40.9810, 39.9208, -66.5583

Details

The CIELCh color **48, 75.360, 308.748** 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 **80, 66.876, 122.043**, and the grayscale version is **49, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 66.465, 310.218**, and **28, 75.390, 308.761** is the 20% darker color. If you saturate the color by 10%, you get **42, 87.682, 309.368**, and if you desaturate by 10%, it is **54, 62.398, 308.037**.

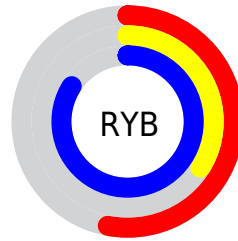
Distribution



Red (53%)

Green (34%)

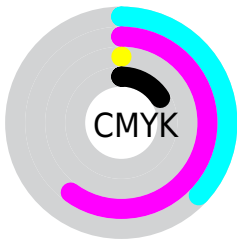
Blue (84%)



Red (53%)

Yellow (34%)

Blue (84%)

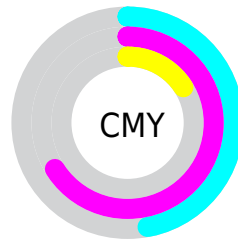


Cyan (37%)

Magenta (60%)

Yellow (0%)

Black (16%)



Cyan (47%)


Magenta (66%)

Yellow (16%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 75.360, 308.748 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, 75.360, 308.748 by changing the saturation by 10% instead.

 48, 75.360,
308.748


 48, 75.360,
308.748


 100, 75.360,
308.748

 38, 75.360,
308.748

 68, 75.360,
308.748


 28, 75.360,
308.748

 78, 75.360,
308.748

 18, 75.360,
308.748

 88, 75.360,
308.748

 8, 75.360, 308.748

 98, 75.360,
308.748

 0, 75.360, 308.748

 48, 75.360,

 48, 75.360,

308.748

308.748

■ 42, 87.682,
309.368

■ 54, 62.398,
308.037

■ 38, 98.551,
309.779

■ 60, 49.310,
307.311

■ 34, 106.898,
309.831

■ 67, 36.383,
306.613

■ 31, 112.207,
309.478

■ 73, 23.763,
305.967

■ 31, 112.352,
309.469

■ 80, 11.516,
305.381

■ 86, 0.335, 125.116

■ 92, 11.790,
124.421

■ 98, 21.146,
122.323

■ 99, 20.478,
109.071

Harmonies

Complementary

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



48, 75.360, 308.748



80, 66.876, 122.043

Rectangle

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



48, 75.360, 308.748



48, 75.360, 358.748



48, 75.360, 128.748



48, 75.360, 178.748

Sweetspot

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



48, 75.359, 308.748



87, 24.919, 305.874



66, 33.156, 250.650



44, 17.397, 306.055



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, 75.359, 308.748



49, 103.861, 309.520



56, 77.217, 323.280



42, 6.725, 305.365



24, 94.653, 309.632



3, 28.357, 304.150

Inverse Universe

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



56, 61.090, 343.540



61, 79.998, 345.508



77, 76.641, 136.741



42, 5.995, 338.513



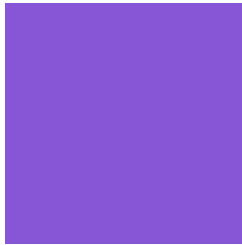
37, 65.313, 351.270



5, 25.045, 346.213

Previews

White Background



This preview shows how the CIELCh color 48, 75.360, 308.748 looks on a white background.

Color Contrast Check

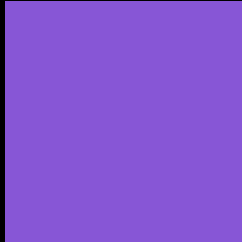
Large Text (above 18pt) WCAG AA ✓ Pass

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, 75.360, 308.748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

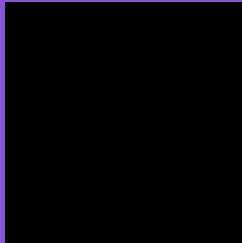
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 75.360, 308.748

Background



This preview shows how black text looks on a background with the CIELCh color 48, 75.360, 308.748.

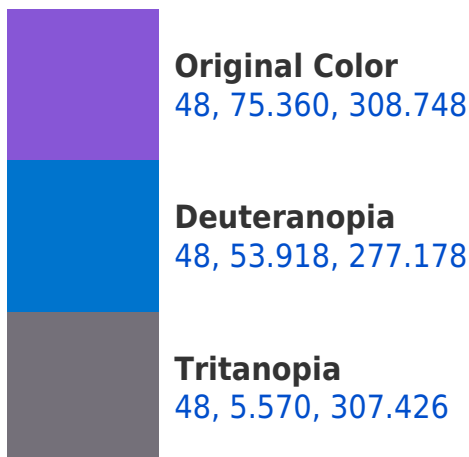


This preview shows how white text looks on a background with the CIELCh color 48, 75.360, 308.748.

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



Trichromacy



Original Color
48, 75.360, 308.748

Deuteranomaly
46, 61.231, 287.157

Tritanomaly
47, 31.689, 306.874

Monochromacy



Original Color
48, 75.360, 308.748

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 28.630, 306.641

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 75.360, 308.748 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(135, 86, 214)` looks like.

```
.text, #text, p{  
    color:rgb(135, 86, 214)  
}
```

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(135, 86, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 86, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 75.360, 308.748 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(135, 86, 214) }
```

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

```
.border{ border-color:rgb(135, 86, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 86, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 86, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 86, 214);  
box-shadow:4px 4px 4px 4px rgb(135, 86,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 75.360, 308.748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 86, 214) }
```

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

```
.background{ background-color: rgb(135, 86,  
214) }
```

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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