

Converting Colors

CIELCh(48, 68.354, 297.459)

Have a look what the booklet for
CIELCh(48, 68.354, 297.459)
contains.

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Color

CIELCh(48, 67.898, 297.251)

Conversions

Conversions Part 1

Format	Color
Hex	6065D9
RGB	96, 101, 217
RGB Percent	38%, 40%, 85%
CMY	0.6237, 0.6040, 0.1491
CMYK	0.56, 0.53, 0.00, 0.15
HSL	238°, 61%, 61%
HSV	238°, 56%, 85%
XYZ	21.9907, 16.7945, 67.7052
YIQ	112.7290, -40.2160, 35.0160

Conversions

Conversions Part 2

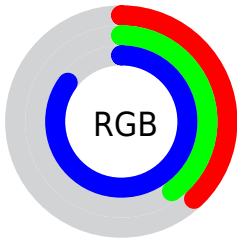
Format	Color
R _Y B	96, 101, 217
Decimal	6317529
CIE _{Lab}	48.00, 31.09, -60.36
CIE _{LCh}	48, 67.898, 297.251
Y _{xy}	16.7945, 0.2065, 0.1577
Android (android.graphics.Color)	4284507609 (0xFF6065D9)
Y _{UV}	112.7290, 51.4056, -14.6713
Hunter-Lab	40.9810, 24.0675, -69.2670

Details

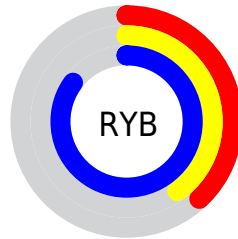
The CIELCh color **48, 67.898, 297.251** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **83, 58.389, 102.969**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 56.909, 296.539**, and **28, 68.077, 297.383** is the 20% darker color. If you saturate the color by 10%, you get **42, 81.449, 299.575**, and if you desaturate by 10%, it is **55, 54.608, 295.119**.

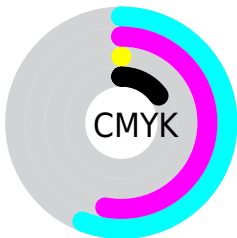
Distribution



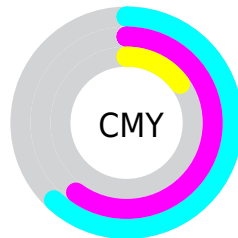
- Red (38%)
- Green (40%)
- Blue (85%)



- Red (38%)
- Yellow (40%)
- Blue (85%)



- Cyan (56%)
- Magenta (53%)
- Yellow (0%)
- Black (15%)





- Cyan (62%)
- Magenta (60%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 67.898, 297.251 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, 67.898, 297.251 by changing the saturation by 10% instead.


 48, 67.898,
297.251


 48, 67.898,
297.251


 100, 67.898,
297.251


 38, 67.898,
297.251

 68, 67.898,
297.251


 28, 67.898,
297.251

 78, 67.898,
297.251

 18, 67.898,
297.251

 88, 67.898,
297.251

 8, 67.898, 297.251

 98, 67.898,
297.251

 0, 67.898, 297.251

 48, 67.898,

 48, 67.898,

297.251

42, 81.449,
299.575

36, 94.665,
301.923

31, 106.301,
304.015

28, 114.551,
305.514

27, 116.712,
305.880

297.251

55, 54.608,
295.119

62, 41.792,
293.240

69, 29.493,
291.623

76, 17.692,
290.247

83, 6.354, 289.085

90, 4.557, 108.058

96, 15.074,
107.223

99, 19.227,
108.723

Harmonies

Complementary

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



48, 67.898, 297.251



83, 58.389, 102.969

Rectangle

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



48, 67.898, 297.251



48, 67.898, 347.251



48, 67.898, 117.251



48, 67.898, 167.251

Sweetspot

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



48, 67.898, 297.252



86, 21.803, 290.424



80, 35.879, 191.706



44, 14.642, 290.692



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, 67.898, 297.252



48, 94.823, 300.012



52, 71.104, 310.418



42, 6.348, 289.487



21, 98.281, 305.751



2, 28.749, 294.037

Inverse Universe

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



56, 52.259, 23.524



60, 72.788, 26.957



81, 64.648, 124.732



43, 4.641, 16.584



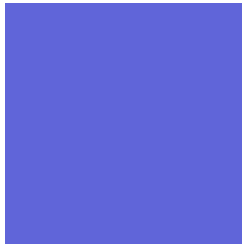
36, 76.475, 38.226



5, 23.780, 18.487

Previews

White Background



This preview shows how the CIELCh color 48, 67.898, 297.251 looks on a white background.

Color Contrast Check

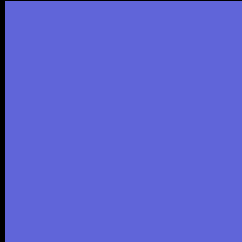
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 48, 67.898, 297.251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

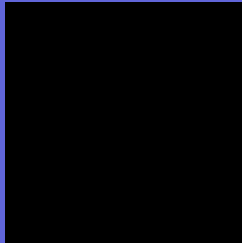
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 67.898, 297.251

Background



This preview shows how black text looks on a background with the CIELCh color 48, 67.898, 297.251.



This preview shows how white text looks on a background with the CIELCh color 48, 67.898, 297.251.

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

48, 67.898, 297.251

Protanopia

48, 68.292, 287.441

Deuteranopia

48, 52.883, 276.453



Tritanopia
48, 19.617, 215.230

Trichromacy



Original Color
48, 67.898, 297.251

Protanomaly
48, 68.135, 290.090

Deuteranomaly
47, 57.900, 282.820

Tritanomaly
47, 30.472, 272.168

Monochromacy



Original Color
48, 67.898, 297.251

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 24.846, 291.856

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 67.898, 297.251 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(96, 101, 217)` looks like.

```
.text, #text, p{  
    color:rgb(96, 101, 217)  
}
```

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(96, 101, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 101, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 67.898, 297.251 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(96, 101, 217) }
```

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

```
.border{ border-color:rgb(96, 101, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 101, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 101, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 101, 217);  
box-shadow:4px 4px 4px 4px rgb(96, 101,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 67.898, 297.251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 101, 217) }
```

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

```
.background{ background-color: rgb(96, 101,  
217) }
```

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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