

Converting Colors

CIELCh(48, 72.496, 294.726)

Have a look what the booklet for
CIELCh(48, 72.496, 294.726)
contains.

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Color

CIELCh(48, 72.468, 294.653)

Conversions

Conversions Part 1

Format	Color
Hex	4F67E3
RGB	79, 103, 227
RGB Percent	31%, 40%, 89%
CMY	0.6921, 0.5975, 0.1114
CMYK	0.65, 0.55, 0.00, 0.11
HSL	230°, 72%, 60%
HSV	230°, 65%, 89%
XYZ	21.8060, 16.7945, 74.4634
YIQ	109.9600, -54.1080, 33.4760

Conversions

Conversions Part 2

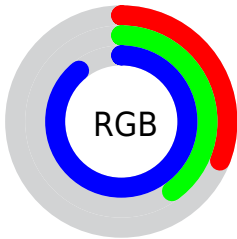
Format	Color
R _Y B	79, 100, 227
Decimal	5203939
CIE Lab	48.00, 30.23, -65.86
CIE LCh	48, 72.468, 294.653
Yxy	16.7945, 0.1929, 0.1485
Android (android.graphics.Color)	4283394019 (0xFF4F67E3)
YUV	109.9600, 57.7007, -27.1519
Hunter-Lab	40.9810, 23.2630, -79.0444

Details

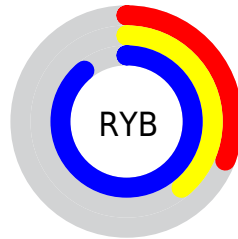
The CIELCh color **48, 72.468, 294.653** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted azure. A complement of this color would be **81, 62.941, 94.979**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 55.791, 292.218**, and **29, 72.071, 296.389** is the 20% darker color. If you saturate the color by 10%, you get **42, 84.882, 297.474**, and if you desaturate by 10%, it is **54, 60.277, 292.029**.

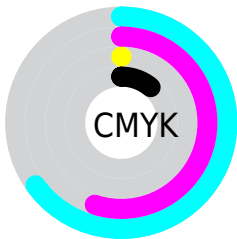
Distribution



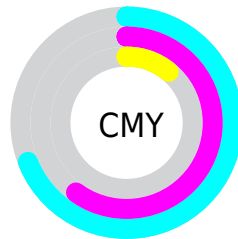
- Red (31%)
- Green (40%)
- Blue (89%)



- Red (31%)
- Yellow (39%)
- Blue (89%)



- Cyan (65%)
- Magenta (55%)
- Yellow (0%)
- Black (11%)



- Cyan (69%)
- Magenta (60%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 72.468, 294.653 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, 72.468, 294.653 by changing the saturation by 10% instead.

 48, 72.468,
294.653

 48, 72.468,
294.653


 100, 72.468,
294.653

 38, 72.468,
294.653

 68, 72.468,
294.653

 28, 72.468,
294.653

 78, 72.468,
294.653

 18, 72.468,
294.653

 88, 72.468,
294.653

 8, 72.468, 294.653

 98, 72.468,
294.653

 0, 72.468, 294.653

 48, 72.468,

 48, 72.468,

294.653

■ 42, 84.882,
297.474

■ 37, 97.021,
300.302

■ 33, 107.899,
302.858

■ 31, 112.185,
303.833

294.653

■ 54, 60.277,
292.029

■ 61, 48.486,
289.689

■ 67, 37.125,
287.656

■ 74, 26.172,
285.911

■ 80, 15.592,
284.424

■ 87, 5.355, 283.170

■ 93, 4.565, 102.018

■ 99, 14.065,
108.174

■ 99, 14.379,
109.091

Harmonies

Complementary

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



48, 72.468, 294.653



81, 62.941, 94.979

Rectangle

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



48, 72.468, 294.653



48, 72.468, 344.653



48, 72.468, 114.653



48, 72.468, 164.653

Sweetspot

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



48, 72.468, 294.654



86, 22.531, 285.105



82, 44.778, 179.287



44, 15.443, 285.534



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, 72.468, 294.654



46, 97.078, 298.379



46, 86.325, 307.856



44, 5.671, 283.654



24, 91.698, 303.463



4, 28.086, 292.215

Inverse Universe

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



55, 61.750, 17.302



57, 79.881, 22.322



84, 74.498, 119.890



44, 4.829, 6.906



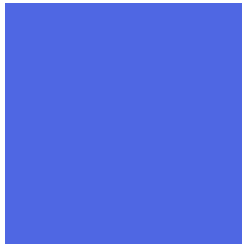
37, 71.958, 31.892



6, 25.290, 14.046

Previews

White Background



This preview shows how the CIE LCh color 48, 72.468, 294.653 looks on a white background.

Color Contrast Check

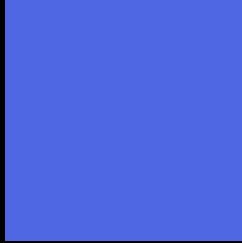
Large Text (above 18pt) WCAG AA ✓ Pass

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, 72.468, 294.653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

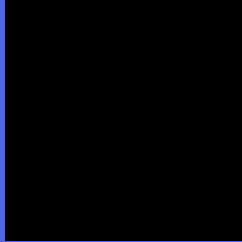
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 72.468, 294.653

Background



This preview shows how black text looks on a background with the CIELCh color 48, 72.468, 294.653.

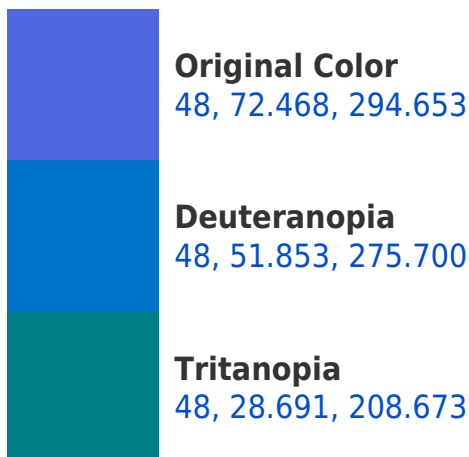


This preview shows how white text looks on a background with the CIELCh color 48, 72.468, 294.653.

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, 72.468, 294.653

Deuteranomaly
47, 59.083, 282.869

Tritanomaly
47, 35.043, 258.591

Monochromacy



Original Color
48, 72.468, 294.653

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 26.775, 288.003

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 72.468, 294.653 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(79, 103, 227)` looks like.

```
.text, #text, p{  
    color:rgb(79, 103, 227)  
}
```

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(79, 103, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 103, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 72.468, 294.653 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(79, 103, 227) }
```

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

```
.border{ border-color:rgb(79, 103, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 103, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 103, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 103, 227);  
box-shadow:4px 4px 4px 4px rgb(79, 103,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 72.468, 294.653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 103, 227) }
```

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

```
.background{ background-color: rgb(79, 103,  
227) }
```

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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