

Converting Colors

CIELCh(44, 70.097, 298.755)

Have a look what the booklet for
CIELCh(44, 70.097, 298.755)
contains.

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Color

CIELCh(44, 70.633, 298.816)

Conversions

Conversions Part 1

Format	Color
Hex	5859D0
RGB	88, 89, 208
RGB Percent	35%, 35%, 82%
CMY	0.6537, 0.6501, 0.1833
CMYK	0.58, 0.57, 0.00, 0.18
HSL	240°, 56%, 58%
HSV	240°, 58%, 82%
XYZ	19.0609, 13.8382, 61.5126
YIQ	102.2670, -38.7950, 36.7970

Conversions

Conversions Part 2

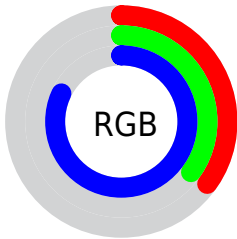
Format	Color
R_YB	88, 89, 208
Decimal	5790160
CIE _{Lab}	44.00, 34.04, -61.89
CIE _{LCh}	44, 70.633, 298.816
Yxy	13.8382, 0.2019, 0.1466
Android (android.graphics.Color)	4283980240 (0xFF5859D0)
YUV	102.2670, 52.1264, -12.5122
Hunter-Lab	37.1997, 26.3628, -72.0007

Details

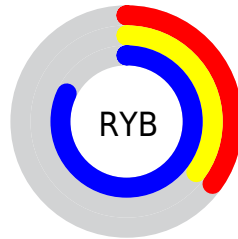
The CIELCh color **44, 70.633, 298.816** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted blue. A complement of this color would be **81, 59.768, 104.456**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 64.785, 298.535**, and **24, 71.122, 298.975** is the 20% darker color. If you saturate the color by 10%, you get **38, 84.103, 301.055**, and if you desaturate by 10%, it is **51, 57.240, 296.711**.

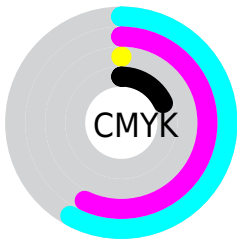
Distribution



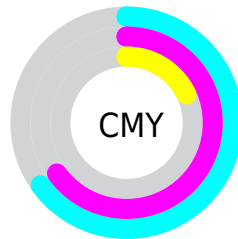
- Red (35%)
- Green (35%)
- Blue (82%)



- Red (35%)
- Yellow (35%)
- Blue (82%)



- Cyan (58%)
- Magenta (57%)
- Yellow (0%)
- Black (18%)




- Cyan (65%)
- Magenta (65%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 70.633, 298.816 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 44, 70.633, 298.816 by changing the saturation by 10% instead.


 44, 70.633,
298.816


 44, 70.633,
298.816


 100, 70.633,
298.816


 34, 70.633,
298.816

 64, 70.633,
298.816


 24, 70.633,
298.816

 74, 70.633,
298.816

 14, 70.633,
298.816

 84, 70.633,
298.816

 4, 70.633, 298.816

 94, 70.633,
298.816

 0, 70.633, 298.816

 44, 70.633,

 44, 70.633,

298.816

■ 38, 84.103,
301.055

■ 32, 96.799,
303.214

■ 28, 107.150,
304.973

■ 26, 113.402,
306.023

■ 26, 114.533,
306.207

298.816

■ 51, 57.240,
296.711

■ 57, 44.266,
294.834

■ 64, 31.810,
293.210


■ 71, 19.870,
291.824

■ 78, 8.417, 290.652

■ 85, 2.586, 109.619

■ 92, 13.174,
108.793

■ 99, 23.378,
108.072

 99, 23.598,
108.389

Harmonies

Complementary

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



44, 70.633, 298.816



81, 59.768, 104.456

Rectangle

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



44, 70.633, 298.816



44, 70.633, 348.816



44, 70.633, 118.816



44, 70.633, 168.816

Sweetspot

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



44, 70.633, 298.817



86, 22.594, 291.772



77, 34.924, 195.140



44, 15.176, 292.034



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



44, 70.633, 298.817



45, 101.358, 301.547



49, 71.124, 311.486



40, 6.321, 290.848



20, 97.653, 306.182



1, 25.416, 293.039

Inverse Universe

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



53, 53.060, 26.331



59, 76.372, 29.888



78, 64.967, 125.904



41, 4.459, 19.299



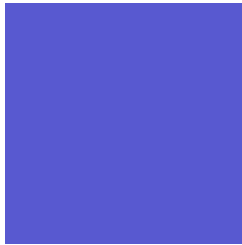
35, 76.130, 39.551



4, 20.017, 19.105

Previews

White Background



This preview shows how the CIE LCh color 44, 70.633, 298.816 looks on a white background.

Color Contrast Check

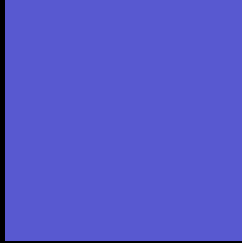
Large Text (above 18pt) WCAG AA ✓ Pass

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 44, 70.633, 298.816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

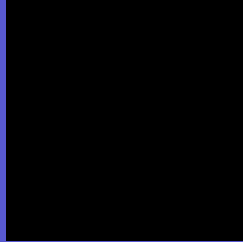
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 70.633, 298.816

Background



This preview shows how black text looks on a background with the CIELCh color 44, 70.633, 298.816.

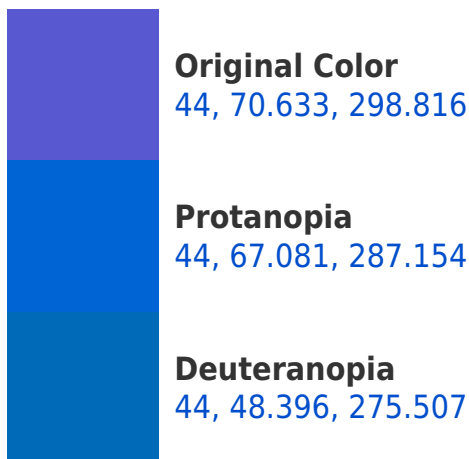



This preview shows how white text looks on a background with the CIELCh color 44, 70.633, 298.816.

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
44, 19.656, 213.507

Trichromacy



Original Color
44, 70.633, 298.816

Protanomaly
43, 68.781, 289.907

Deuteranomaly
43, 56.273, 284.219

Tritanomaly
43, 30.823, 273.096

Monochromacy



Original Color
44, 70.633, 298.816

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 25.893, 293.805

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 70.633, 298.816 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(88, 89, 208)` looks like.

```
.text, #text, p{  
    color:rgb(88, 89, 208)  
}
```

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(88, 89, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 89, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 70.633, 298.816 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(88, 89, 208) }
```

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

```
.border{ border-color:rgb(88, 89, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 89, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 89, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 89, 208);  
box-shadow:4px 4px 4px 4px rgb(88, 89,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 70.633, 298.816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 89, 208) }
```

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

```
.background{ background-color: rgb(88, 89,  
208) }
```

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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