

Converting Colors

CIELCh(58, 72.017, 293.793)

Have a look what the booklet for
CIELCh(58, 72.017, 293.793)
contains.

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Color

CIELCh(58, 71.851, 293.794)

Conversions

Conversions Part 1

Format	Color
Hex	6C80FF
RGB	108, 128, 255
RGB Percent	42%, 50%, 100%
CMY	0.5783, 0.4964, 0.0000
CMYK	0.58, 0.50, 0.00, 0.00
HSL	232°, 100%, 71%
HSV	232°, 58%, 100%
XYZ	32.0327, 25.9610, 98.3485
YIQ	136.4980, -52.6870, 35.2570

Conversions

Conversions Part 2

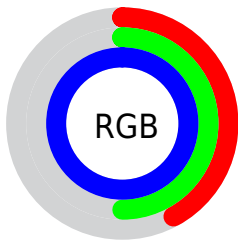
Format	Color
RYB	108, 126, 255
Decimal	7110911
CIELab	58.00, 28.99, -65.74
CIElCh	58, 71.851, 293.794
Yxy	25.9610, 0.2049, 0.1661
Android (android.graphics.Color)	4285300991 (0xFF6C80FF)
YUV	136.4980, 58.4215, -24.9927
Hunter-Lab	50.9519, 23.0542, -78.7765

Details

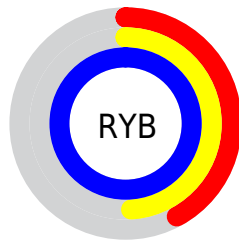
The CIELCh color **58, 71.851, 293.794** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **92, 63.233, 97.149**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 39.989, 288.581**, and **38, 71.868, 294.059** is the 20% darker color. If you saturate the color by 10%, you get **51, 85.477, 296.406**, and if you desaturate by 10%, it is **65, 58.084, 291.351**.

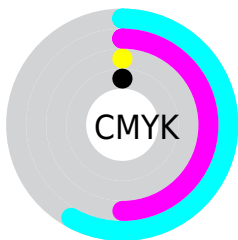
Distribution



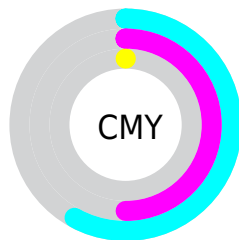
- Red (42%)
- Green (50%)
- Blue (100%)



- Red (42%)
- Yellow (49%)
- Blue (100%)



- Cyan (58%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)





- Cyan (58%)
- Magenta (50%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 71.851, 293.794 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 58, 71.851, 293.794 by changing the saturation by 10% instead.


 58, 71.851,
293.794


 58, 71.851,
293.794


 100, 71.851,
293.794


 48, 71.851,
293.794


 78, 71.851,
293.794

 38, 71.851,
293.794

 88, 71.851,
293.794

 28, 71.851,
293.794

 98, 71.851,
293.794

 18, 71.851,
293.794

 8, 71.851, 293.794

 0, 71.851, 293.794

■ 58, 71.851,
293.794

■ 58, 71.851,
293.794

■ 51, 85.477,
296.406

■ 65, 58.084,
291.351

■ 45, 99.417,
299.186

■ 72, 45.080,
289.251

■ 40, 112.560,
301.854

■ 80, 32.564,
287.446

■ 36, 123.470,
304.090

■ 87, 20.503,
285.908

■ 35, 125.408,
304.471

■ 94, 8.857, 284.604

100, 0.012,
296.813

Harmonies

Complementary

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



58, 71.851, 293.794



92, 63.233, 97.149

Rectangle

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



58, 71.851, 293.794



58, 71.851, 343.794



58, 71.851, 113.794



58, 71.851, 163.794

Sweetspot

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



58, 71.582, 293.751



88, 19.525, 285.791



92, 44.642, 181.674



45, 13.104, 286.077



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



58, 71.582, 293.751



50, 87.122, 296.729



57, 83.943, 307.741



49, 6.451, 284.807



25, 99.836, 304.135



5, 39.620, 299.077

Inverse Universe

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



65, 60.365, 16.771



60, 72.028, 20.353



94, 74.167, 120.743



50, 5.335, 8.585



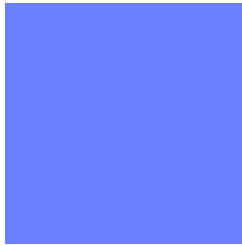
40, 77.906, 33.604



10, 32.331, 21.372

Previews

White Background



This preview shows how the CIELCh color 58, 71.851, 293.794 looks on a white background.

Color Contrast Check

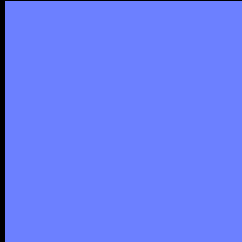
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 58, 71.851, 293.794 looks on a black 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

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

CIELCh 58, 71.851, 293.794

Background



This preview shows how black text looks on a background with the CIELCh color 58, 71.851, 293.794.



This preview shows how white text looks on a background with the CIELCh color 58, 71.851, 293.794.

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
58, 24.991, 214.771

Trichromacy



Original Color
58, 71.835, 293.959

Protanomaly
58, 69.209, 289.200

Deuteranomaly
57, 66.880, 282.324

Tritanomaly
57, 33.889, 264.936

Monochromacy



Original Color
58, 71.835, 293.959

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 26.327, 287.378

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 71.851, 293.794 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(108, 128, 255)` looks like.

```
.text, #text, p{  
    color:rgb(108, 128, 255)  
}
```

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(108, 128, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 128, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 71.851, 293.794 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(108, 128, 255) }
```

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

```
.border{ border-color:rgb(108, 128, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 128, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 128, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 128, 255);  
box-shadow:4px 4px 4px 4px rgb(108, 128,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 71.851, 293.794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 128, 255) }
```

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

```
.background{ background-color: rgb(108,  
128, 255) }
```

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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