

Converting Colors

CIELCh(51, 72.088, 298.628)

Have a look what the booklet for
CIELCh(51, 72.088, 298.628)
contains.

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Color

CIELCh(51, 72.337, 298.759)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 6C6AE7 |
| RGB | 108, 106, 231 |
| RGB Percent | 42%, 42%, 91% |
| CMY | 0.5764, 0.5843, 0.0941 |
| CMYK | 0.53, 0.54, 0.00, 0.09 |
| HSL | 241°, 72%, 66% |
| HSV | 241°, 54%, 91% |
| XYZ | 25.7655, 19.2686, 77.9706 |
| YIQ | 120.8480, -38.9330, 39.2990 |

Conversions

Conversions Part 2

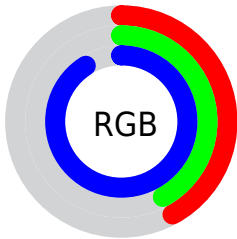
| Format | Color |
|-------------------------------------|---|
| RYB | 108, 106, 231 |
| Decimal | 7105255 |
| CIELab | 51.00, 34.80, -63.41 |
| CIELCh | 51, 72.337, 298.759 |
| Yxy | 19.2686, 0.2095, 0.1566 |
| Android (android.graphics.Color) | 4285295335 (0xFF6C6AE7) |
| YUV | 120.8480, 54.3049, -11.2677 |
| Hunter-Lab | 43.8960, 27.9556, -74.5870 |

Details

The CIELCh color **51, 72.337, 298.759** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **89, 61.906, 105.843**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 53.976, 298.400**, and **31, 71.848, 298.651** is the 20% darker color. If you saturate the color by 10%, you get **44, 87.092, 300.881**, and if you desaturate by 10%, it is **58, 57.790, 296.796**.

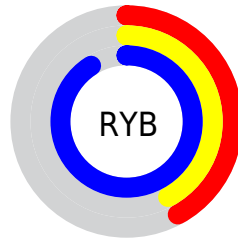
Distribution



Red (42%)

Green (42%)

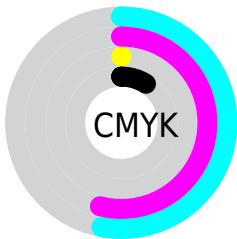
Blue (91%)



Red (42%)

Yellow (42%)

Blue (91%)

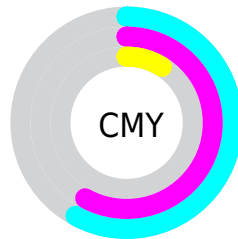


Cyan (53%)

Magenta (54%)

Yellow (0%)

Black (9%)



Cyan (58%)


Magenta (58%)


Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 72.337, 298.759 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 51, 72.337, 298.759 by changing the saturation by 10% instead.


 51, 72.337,
298.759


 51, 72.337,
298.759


 100, 72.337,
298.759


 41, 72.337,
298.759


 71, 72.337,
298.759

 31, 72.337,
298.759

 81, 72.337,
298.759

 21, 72.337,
298.759

 91, 72.337,
298.759

 11, 72.337,
298.759

 1, 72.337, 298.759

 0, 72.337, 298.759

51, 72.337,
298.759

51, 72.337,
298.759

44, 87.092,
300.881

58, 57.790,
296.796

38, 101.294,
302.986

66, 43.742,
295.060

33, 113.418,
304.780

73, 30.265,
293.563

30, 121.393,
305.927

81, 17.349,
292.290

29, 124.109,
306.323

89, 4.960, 291.218

96, 6.942, 110.278

99, 12.141,
109.260

Harmonies

Complementary

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



51, 72.337, 298.759



89, 61.906, 105.843

Rectangle

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



51, 72.337, 298.759



51, 72.337, 348.759



51, 72.337, 118.759



51, 72.337, 168.759

Sweetspot

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



51, 72.337, 298.760



87, 21.399, 292.525



85, 36.119, 197.036



45, 14.509, 292.780



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



51, 72.337, 298.760



48, 95.805, 301.148



57, 72.752, 311.828



44, 6.882, 291.766



21, 102.308, 306.336



2, 33.704, 297.161

Inverse Universe

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



64, 75.995, 327.702



66, 94.981, 328.144



85, 67.070, 126.599



45, 8.216, 325.372



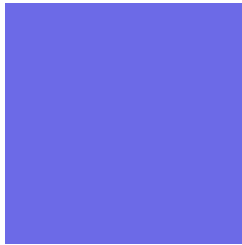
42, 87.329, 328.877



8, 36.717, 328.776

Previews

White Background



This preview shows how the CIELCh color 51, 72.337, 298.759 looks on a white background.

Color Contrast Check

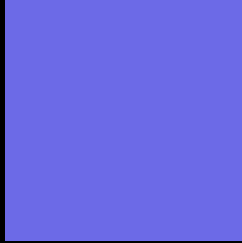
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 51, 72.337, 298.759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

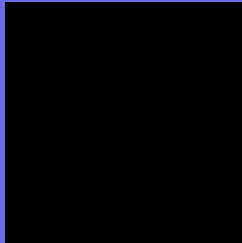
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 72.337, 298.759

Background



This preview shows how black text looks on a background with the CIELCh color 51, 72.337, 298.759.



This preview shows how white text looks on a background with the CIELCh color 51, 72.337, 298.759.

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
51, 18.271, 218.539

Trichromacy



Original Color
51, 72.337, 298.759



Protanomaly
51, 73.139, 290.752



Deuteranomaly
50, 61.883, 283.790



Tritanomaly
50, 31.443, 275.484

Monochromacy



Original Color
51, 72.337, 298.759



Achromatopsia
51, 0.007, 296.813



Achromatomaly
50, 26.326, 293.477

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 72.337, 298.759 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, 106, 231)` looks like.

```
.text, #text, p{  
    color:rgb(108, 106, 231)  
}
```

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, 106, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 106, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 72.337, 298.759 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, 106, 231) }
```

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

```
.border{ border-color:rgb(108, 106, 231) }
```

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

Here you see how a box with a 4 pixel rgb(108, 106, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 106, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 106, 231);  
box-shadow:4px 4px 4px 4px rgb(108, 106,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 72.337, 298.759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 106, 231) }
```

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

```
.background{ background-color: rgb(108,  
106, 231) }
```

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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