

Converting Colors

CIELCh(51, 86.088, 299.646)

Have a look what the booklet for
CIELCh(51, 86.088, 299.646)
contains.

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Color

CIELCh(51, 85.751, 299.604)

Conversions

Conversions Part 1

Format	Color
Hex	6666FB
RGB	102, 102, 251
RGB Percent	40%, 40%, 98%
CMY	0.6003, 0.6003, 0.0160
CMYK	0.59, 0.59, 0.00, 0.02
HSL	240°, 95%, 69%
HSV	240°, 59%, 98%
XYZ	27.6134, 19.2686, 93.4632
YIQ	118.9860, -47.8290, 46.3390

Conversions

Conversions Part 2

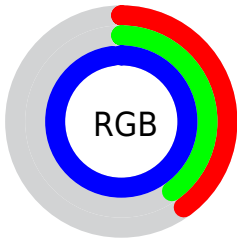
Format	Color
RYB	102, 102, 251
Decimal	6711035
CIELab	51.00, 42.36, -74.56
CIELCh	51, 85.751, 299.604
Yxy	19.2686, 0.1968, 0.1373
Android (android.graphics.Color)	4284901115 (0xFF6666FB)
YUV	118.9860, 65.0829, -14.8967
Hunter-Lab	43.8960, 35.4698, -95.5127

Details

The CIELCh color **51, 85.751, 299.604** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **96, 71.685, 104.626**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 56.378, 299.095**, and **31, 85.434, 299.522** is the 20% darker color. If you saturate the color by 10%, you get **44, 101.390, 301.845**, and if you desaturate by 10%, it is **59, 69.982, 297.448**.

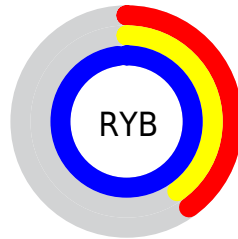
Distribution



Red (40%)

Green (40%)

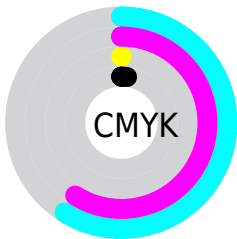
Blue (98%)



Red (40%)

Yellow (40%)

Blue (98%)

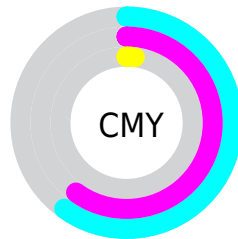


Cyan (59%)

Magenta (59%)

Yellow (0%)

Black (2%)



Cyan (60%)


Magenta (60%)


Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 85.751, 299.604 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, 85.751, 299.604 by changing the saturation by 10% instead.


 51, 85.751,
299.604


 51, 85.751,
299.604


 100, 85.751,
299.604


 41, 85.751,
299.604


 71, 85.751,
299.604

 31, 85.751,
299.604

 81, 85.751,
299.604

 21, 85.751,
299.604

 91, 85.751,
299.604

 11, 85.751,
299.604

 1, 85.751, 299.604

 0, 85.751, 299.604

51, 85.751,
299.604

51, 85.751,
299.604

44, 101.390,
301.845

59, 69.982,
297.448

38, 115.621,
303.914

67, 54.635,
295.505

34, 126.327,
305.455

75, 39.887,
293.816

32, 131.913,
306.248

83, 25.758,
292.374

32, 132.185,
306.286

91, 12.219,
291.155

99, 0.775, 110.016

100, 2.059,
109.987

Harmonies

Complementary

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



51, 85.751, 299.604



96, 71.685, 104.626

Rectangle

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



51, 85.751, 299.604



51, 85.751, 349.604



51, 85.751, 119.604



51, 85.751, 169.604

Sweetspot

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



51, 85.751, 299.605



85, 24.166, 292.195



91, 41.257, 195.049



43, 16.895, 292.581



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, 85.751, 299.605



44, 105.201, 302.213



57, 85.226, 311.601



48, 7.379, 291.167



23, 106.703, 306.286



3, 42.022, 300.804

Inverse Universe

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



62, 64.158, 27.487



59, 79.056, 31.054



91, 77.520, 125.840



49, 5.167, 19.933



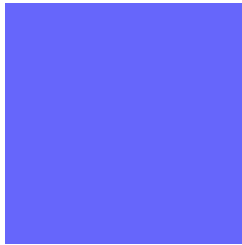
39, 83.386, 39.995



9, 32.195, 26.135

Previews

White Background



This preview shows how the CIELCh color 51, 85.751, 299.604 looks on a white background.

Color Contrast Check

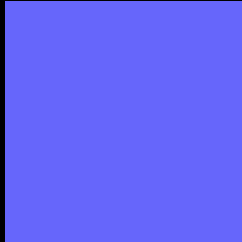
Large Text (above 18pt) WCAG AA ✓ Pass

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, 85.751, 299.604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

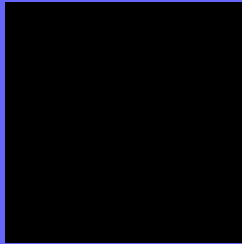
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 85.751, 299.604

Background



This preview shows how black text looks on a background with the CIELCh color 51, 85.751, 299.604.



This preview shows how white text looks on a background with the CIELCh color 51, 85.751, 299.604.

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, 24.053, 211.380

Trichromacy



Original Color
51, 85.751, 299.604



Protanomaly
50, 79.625, 290.764



Deuteranomaly
50, 65.203, 285.223



Tritanomaly
50, 37.328, 273.294

Monochromacy



Original Color
51, 85.751, 299.604



Achromatopsia
50, 0.007, 296.813



Achromatomaly
50, 31.674, 294.156

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 85.751, 299.604 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(102, 102, 251)` looks like.

```
.text, #text, p{  
    color:rgb(102, 102, 251)  
}
```

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(102, 102, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 102, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 85.751, 299.604 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(102, 102, 251) }
```

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

```
.border{ border-color:rgb(102, 102, 251) }
```

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

Here you see how a box with a 4 pixel rgb(102, 102, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 102, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 102, 251);  
box-shadow:4px 4px 4px 4px rgb(102, 102,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 85.751, 299.604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 102, 251) }
```

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

```
.background{ background-color: rgb(102,  
102, 251) }
```

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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