

Converting Colors

CIELCh(50, 89.940, 300.045)

Have a look what the booklet for
CIELCh(50, 89.940, 300.045)
contains.

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Color

CIELCh(50, 89.893, 299.956)

Conversions

Conversions Part 1

Format	Color
Hex	6162FE
RGB	97, 98, 254
RGB Percent	38%, 38%, 100%
CMY	0.6198, 0.6158, 0.0041
CMYK	0.62, 0.61, 0.00, 0.00
HSL	240°, 99%, 69%
HSV	240°, 62%, 100%
XYZ	27.1693, 18.4187, 95.8477
YIQ	115.4850, -50.6720, 48.3040

Conversions

Conversions Part 2

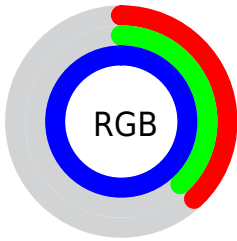
Format	Color
RYB	97, 98, 254
Decimal	6382334
CIELab	50.00, 44.89, -77.88
CIELCh	50, 89.893, 299.956
Yxy	18.4187, 0.1921, 0.1302
Android (android.graphics.Color)	4284572414 (0xFF6162FE)
YUV	115.4850, 68.2879, -16.2113
Hunter-Lab	42.9170, 37.8977, -102.3722

Details

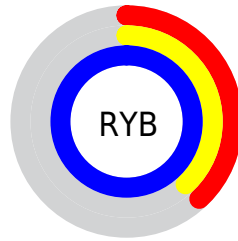
The CIELCh color **50, 89.893, 299.956** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **97, 74.460, 104.137**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 58.766, 299.186**, and **30, 89.638, 300.308** is the 20% darker color. If you saturate the color by 10%, you get **43, 105.447, 302.210**, and if you desaturate by 10%, it is **58, 74.019, 297.747**.

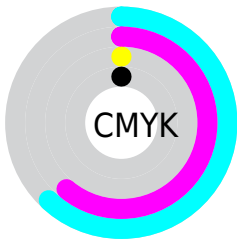
Distribution



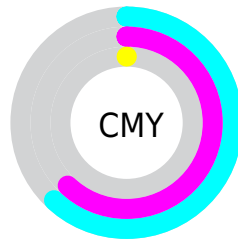
- Red (38%)
- Green (38%)
- Blue (100%)



- Red (38%)
- Yellow (38%)
- Blue (100%)



- Cyan (62%)
- Magenta (61%)
- Yellow (0%)
- Black (0%)





- Cyan (62%)
- Magenta (62%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 89.893, 299.956 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 50, 89.893, 299.956 by changing the saturation by 10% instead.


 50, 89.893,
299.956


 50, 89.893,
299.956


 100, 89.893,
299.956


 40, 89.893,
299.956


 70, 89.893,
299.956

 30, 89.893,
299.956


 80, 89.893,
299.956


 20, 89.893,
299.956

 90, 89.893,
299.956

 10, 89.893,
299.956

 0, 89.893, 299.956

 50, 89.893,
299.956

 50, 89.893,
299.956

43, 105.447,
302.210

58, 74.019,
297.747

37, 119.220,
304.224

66, 58.497,
295.734

34, 128.995,
305.643

74, 43.556,
293.974

32, 133.146,
306.235

82, 29.239,
292.467

90, 15.519,
291.190

98, 2.354, 290.136

100, 0.520,
109.990

Harmonies

Complementary

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



50, 89.893, 299.956



97, 74.460, 104.137

Rectangle

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



50, 89.893, 299.956



50, 89.893, 349.956



50, 89.893, 119.956



50, 89.893, 169.956

Sweetspot

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



50, 89.893, 299.957



84, 25.393, 292.085



92, 42.683, 194.956



43, 17.581, 292.473



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 89.893, 299.957



42, 109.031, 302.685



57, 89.473, 311.712



49, 7.454, 290.924



23, 107.490, 306.213



3, 43.924, 301.655

Inverse Universe

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



62, 67.571, 27.747



58, 82.256, 31.703



92, 81.031, 125.786



49, 5.253, 19.426



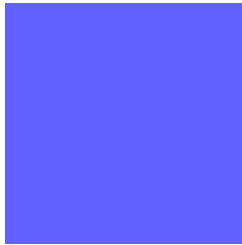
40, 83.933, 39.745



10, 33.314, 26.922

Previews

White Background



This preview shows how the CIELCh color 50, 89.893, 299.956 looks on a white background.

Color Contrast Check

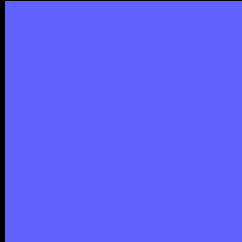
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 89.893, 299.956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

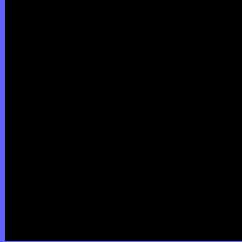
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 89.893, 299.956

Background



This preview shows how black text looks on a background with the CIELCh color 50, 89.893, 299.956.



This preview shows how white text looks on a background with the CIELCh color 50, 89.893, 299.956.

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
50, 26.387, 211.261

Trichromacy



Original Color
50, 89.893, 299.956

Protanomaly
49, 80.427, 291.325

Deuteranomaly
49, 65.942, 285.935

Tritanomaly
49, 39.512, 272.581

Monochromacy



Original Color
50, 89.893, 299.956

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 33.611, 293.927

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 89.893, 299.956 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(97, 98, 254)` looks like.

```
.text, #text, p{  
    color:rgb(97, 98, 254)  
}
```

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(97, 98, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 98, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 89.893, 299.956 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(97, 98, 254) }
```

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

```
.border{ border-color:rgb(97, 98, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 98, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 98, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 98, 254);  
box-shadow:4px 4px 4px 4px rgb(97, 98,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 89.893, 299.956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 98, 254) }
```

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

```
.background{ background-color: rgb(97, 98,  
254) }
```

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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