

Converting Colors

CIELCh(50, 84.656, 293.170)

Have a look what the booklet for
CIELCh(50, 84.656, 293.170)
contains.

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Color

CIELCh(50, 84.578, 293.123)

Conversions

Conversions Part 1

Format	Color
Hex	306CFE
RGB	48, 108, 254
RGB Percent	19%, 42%, 100%
CMY	0.8108, 0.5778, 0.0055
CMYK	0.81, 0.58, 0.00, 0.01
HSL	223°, 99%, 59%
HSV	223°, 81%, 99%
XYZ	24.3819, 18.4187, 95.6966
YIQ	106.7040, -82.6260, 32.6860

Conversions

Conversions Part 2

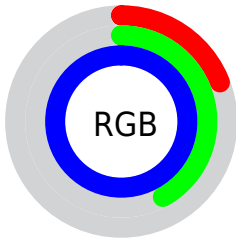
Format	Color
RYB	48, 94, 254
Decimal	3173630
CIELab	50.00, 33.21, -77.78
CIELCh	50, 84.578, 293.123
Yxy	18.4187, 0.1760, 0.1330
Android (android.graphics.Color)	4281363710 (0xFF306CFE)
YUV	106.7040, 72.6169, -51.4834
Hunter-Lab	42.9170, 26.3045, -102.1634

Details

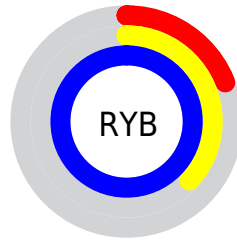
The CIELCh color **50, 84.578, 293.123** is a dark color, and the websafe version is hex **0066FF**. The color can be described as middle washed azure. A complement of this color would be **82, 75.425, 83.215**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 53.260, 286.090**, and **33, 82.747, 297.666** is the 20% darker color. If you saturate the color by 10%, you get **45, 96.108, 296.585**, and if you desaturate by 10%, it is **55, 73.116, 289.731**.

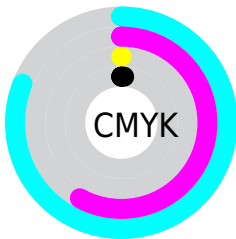
Distribution



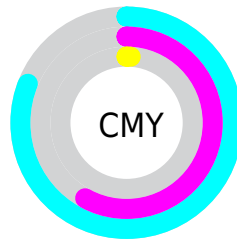
- Red (19%)
- Green (42%)
- Blue (100%)



- Red (19%)
- Yellow (37%)
- Blue (100%)



- Cyan (81%)
- Magenta (58%)
- Yellow (0%)
- Black (1%)




- Cyan (81%)
- Magenta (58%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 84.578, 293.123 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, 84.578, 293.123 by changing the saturation by 10% instead.


 50, 84.578,
293.123


 50, 84.578,
293.123


 100, 84.578,
293.123

 40, 84.578,
293.123


 70, 84.578,
293.123

 30, 84.578,
293.123

 80, 84.578,
293.123

 20, 84.578,
293.123

 90, 84.578,
293.123

 10, 84.578,
293.123

 0, 84.578, 293.123

 50, 84.578,
293.123

 50, 84.578,
293.123

45, 96.108,
296.585

55, 73.116,
289.731

41, 106.167,
299.514

61, 61.945,
286.587

67, 51.110,
283.783

74, 40.585,
281.342

80, 30.332,
279.246

86, 20.318,
277.457

93, 10.523,
275.937

99, 0.933, 274.871

100, 0.701,
110.015

Harmonies

Complementary

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



50, 84.578, 293.123



82, 75.425, 83.215

Rectangle

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



50, 84.578, 293.123



50, 84.578, 343.123



50, 84.578, 113.123



50, 84.578, 163.123

Sweetspot

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



50, 84.578, 293.124



85, 23.430, 277.970



89, 63.744, 165.406



43, 16.158, 278.605



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, 84.578, 293.124



43, 103.349, 298.602



40, 116.565, 306.478



50, 5.469, 275.735



31, 84.413, 298.952



7, 33.873, 294.112

Inverse Universe

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



56, 78.720, 13.355



54, 87.417, 21.638



94, 91.953, 113.844



50, 5.636, 357.559



40, 71.060, 22.220



10, 31.506, 13.484

Previews

White Background



This preview shows how the CIE LCh color 50, 84.578, 293.123 looks on a white background.

Color Contrast Check

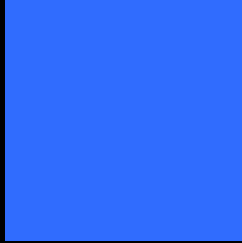
Large Text (above 18pt) WCAG AA ✓ Pass

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, 84.578, 293.123 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, 84.578, 293.123

Background



This preview shows how black text looks on a background with the CIELCh color 50, 84.578, 293.123.



This preview shows how white text looks on a background with the CIELCh color 50, 84.578, 293.123.

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, 29.641, 205.808

Trichromacy



Original Color
50, 84.591, 293.060

Protanomaly
50, 78.095, 289.354

Deuteranomaly
49, 63.820, 283.434

Tritanomaly
49, 38.739, 260.814

Monochromacy



Original Color
50, 84.591, 293.060

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 31.883, 282.625

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 84.578, 293.123 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(48, 108, 254)` looks like.

```
.text, #text, p{  
    color:rgb(48, 108, 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(48, 108, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 108, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 84.578, 293.123 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(48, 108, 254) }
```

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

```
.border{ border-color:rgb(48, 108, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 108, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 108, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 108, 254);  
box-shadow:4px 4px 4px 4px rgb(48, 108,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 84.578, 293.123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 108, 254) }
```

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

```
.background{ background-color: rgb(48, 108,  
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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