

Converting Colors

CIELCh(50, 80.953, 289.925)

Have a look what the booklet for
CIELCh(50, 80.953, 289.925)
contains.

CIELCh(50, 81.478, 290.128)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(50, 81.478, 290.128)

Conversions

Conversions Part 1

Format	Color
Hex	046FFB
RGB	4, 111, 251
RGB Percent	2%, 44%, 98%
CMY	0.9824, 0.5640, 0.0148
CMYK	0.98, 0.56, 0.00, 0.01
HSL	214°, 97%, 50%
HSV	214°, 98%, 99%
XYZ	23.2095, 18.4187, 93.7890
YIQ	94.9670, -108.7120, 20.8560

Conversions

Conversions Part 2

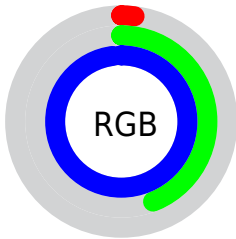
Format	Color
R_{YB}	4, 79, 251
Decimal	290811
CIE Lab	50.00, 28.04, -76.50
CIE LCh	50, 81.478, 290.128
Yxy	18.4187, 0.1714, 0.1360
Android (android.graphics.Color)	4278480891 (0xFF046FFB)
YUV	94.9670, 76.9243, -79.7781
Hunter-Lab	42.9170, 21.4281, -99.5281

Details

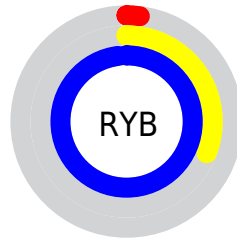
The CIELCh color **50, 81.478, 290.128** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **70, 81.898, 66.213**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 52.153, 281.133**, and **33, 79.140, 296.519** is the 20% darker color. If you saturate the color by 10%, you get **49, 83.078, 290.842**, and if you desaturate by 10%, it is **54, 72.680, 285.910**.

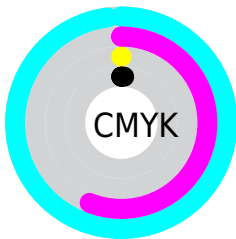
Distribution



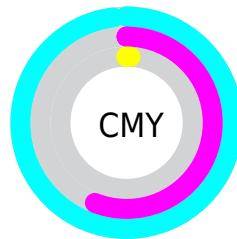
- Red (2%)
- Green (44%)
- Blue (98%)



- Red (2%)
- Yellow (31%)
- Blue (98%)



- Cyan (98%)
- Magenta (56%)
- Yellow (0%)
- Black (1%)





- Cyan (98%)
- Magenta (56%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 81.478, 290.128 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, 81.478, 290.128 by changing the saturation by 10% instead.


 50, 81.478,
290.128


 50, 81.478,
290.128


 100, 81.478,
290.128


 40, 81.478,
290.128


 70, 81.478,
290.128

 30, 81.478,
290.128


 80, 81.478,
290.128


 20, 81.478,
290.128

 90, 81.478,
290.128

 10, 81.478,
290.128

 0, 81.478, 290.128

 50, 81.478,
290.128

 50, 81.478,
290.128

■ 49, 83.078,
290.842

■ 54, 72.680,
285.910

■ 58, 64.114,
281.770

■ 63, 55.756,
277.934

■ 68, 47.530,
274.514

■ 73, 39.365,
271.543

■ 78, 31.211,
269.004

■ 84, 23.049,
266.852

■ 89, 14.877,
265.035

■ 94, 6.707, 263.516

Harmonies

Complementary

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



50, 81.478, 290.128



70, 81.898, 66.213

Rectangle

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



50, 81.478, 290.128



50, 81.478, 340.128



50, 81.478, 110.128



50, 81.478, 160.128

Sweetspot

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



50, 81.478, 290.130



84, 23.980, 267.013



88, 81.882, 152.685



43, 16.453, 267.900



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, 81.478, 290.130



50, 84.091, 290.876



32, 131.193, 306.340



49, 4.622, 263.693



37, 65.773, 290.077



10, 25.890, 283.753

Inverse Universe

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



54, 83.253, 8.691



54, 84.558, 9.610



95, 95.829, 106.992



49, 6.008, 348.260



40, 67.368, 8.597



10, 30.592, 1.695

Previews

White Background



This preview shows how the CIE LCh color 50, 81.478, 290.128 looks on a white background.

Color Contrast Check

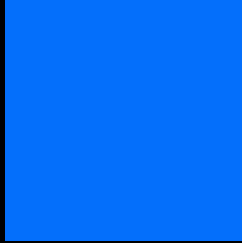
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.478, 290.128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

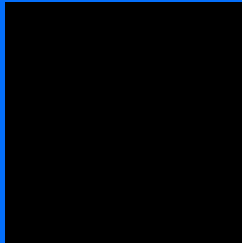
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 81.478, 290.128

Background



This preview shows how black text looks on a background with the CIELCh color 50, 81.478, 290.128.



This preview shows how white text looks on a background with the CIELCh color 50, 81.478, 290.128.

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



Original Color

50, 81.474, 290.147

Protanopia

50, 74.804, 287.570

Deuteranopia

50, 52.796, 275.225



Tritanopia
50, 29.641, 205.808

Trichromacy



Original Color
50, 81.474, 290.147

Protanomaly
50, 77.021, 288.493

Deuteranomaly
50, 63.349, 282.472

Tritanomaly
49, 38.309, 258.163

Monochromacy



Original Color
50, 81.474, 290.147

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 32.081, 274.119

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 81.478, 290.128 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(4, 111, 251)` looks like.

```
.text, #text, p{  
    color:rgb(4, 111, 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(4, 111, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 111, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 81.478, 290.128 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(4, 111, 251) }
```

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

```
.border{ border-color:rgb(4, 111, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 111, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 111, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 111, 251);  
box-shadow:4px 4px 4px 4px rgb(4, 111,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 81.478, 290.128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 111, 251) }
```

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

```
.background{ background-color: rgb(4, 111,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor