

Converting Colors

CIELCh(50, 83.563, 290.617)

Have a look what the booklet for
CIELCh(50, 83.563, 290.617)
contains.

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Color

CIELCh(50, 83.103, 290.513)

Conversions

Conversions Part 1

Format	Color
Hex	006FFE
RGB	0, 111, 254
RGB Percent	0%, 44%, 100%
CMY	1.0000, 0.5659, 0.0054
CMYK	1.00, 0.56, 0.00, 0.01
HSL	214°, 100%, 50%
HSV	214°, 100%, 99%
XYZ	23.4516, 18.4187, 95.7720
YIQ	94.1130, -112.0590, 20.9410

Conversions

Conversions Part 2

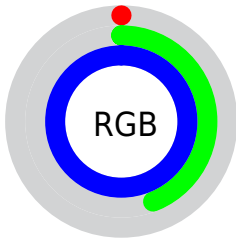
Format	Color
R_{YB}	0, 77, 254
Decimal	28670
CIE _{Lab}	50.00, 29.12, -77.83
CIE _{LCh}	50, 83.103, 290.513
Yxy	18.4187, 0.1704, 0.1338
Android (android.graphics.Color)	4278218750 (0xFF006FFE)
YUV	94.1130, 78.8243, -82.5371
Hunter-Lab	42.9170, 22.4350, -102.2677

Details

The CIELCh color **50, 83.103, 290.513** 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, 83.282, 65.312**, 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, 80.803, 296.845** is the 20% darker color. If you saturate the color by 10%, you get **50, 83.094, 290.554**, and if you desaturate by 10%, it is **54, 74.270, 286.353**.

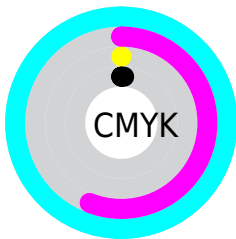
Distribution



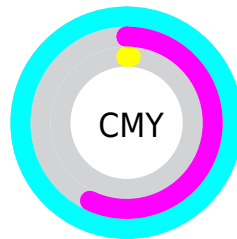
- Red (0%)
- Green (44%)
- Blue (100%)



- Red (0%)
- Yellow (30%)
- Blue (100%)



- Cyan (100%)
- Magenta (56%)
- Yellow (0%)
- Black (1%)





- Cyan (100%)
- Magenta (57%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 83.103, 290.513 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, 83.103, 290.513 by changing the saturation by 10% instead.


 50, 83.103,
290.513


 50, 83.103,
290.513


 100, 83.103,
290.513


 40, 83.103,
290.513


 70, 83.103,
290.513

 30, 83.103,
290.513


 80, 83.103,
290.513


 20, 83.103,
290.513

 90, 83.103,
290.513

 10, 83.103,
290.513

 0, 83.103, 290.513

 50, 83.103,
290.513

 50, 83.103,
290.513

■ 50, 83.094,
290.554

■ 54, 74.270,
286.353

■ 58, 65.684,
282.156

■ 63, 57.313,
278.238

■ 68, 49.083,
274.726

■ 73, 40.916,
271.666

■ 78, 32.759,
269.047

■ 83, 24.586,
266.825

■ 89, 16.396,
264.950

■ 94, 8.198, 263.377

Harmonies

Complementary

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



50, 83.103, 290.513



70, 83.282, 65.312

Rectangle

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



50, 83.103, 290.513



50, 83.103, 340.513



50, 83.103, 110.513



50, 83.103, 160.513

Sweetspot

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



50, 83.094, 290.554



84, 24.694, 266.827



88, 84.892, 151.313



42, 16.843, 267.719



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, 83.094, 290.554



50, 83.460, 290.567



32, 133.049, 306.388



50, 4.681, 263.307



38, 66.002, 289.804



10, 26.601, 283.774

Inverse Universe

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



54, 84.178, 9.198



54, 84.524, 9.214



96, 96.710, 105.997



50, 6.124, 348.025



41, 68.030, 8.259



10, 31.418, 1.715

Previews

White Background



This preview shows how the CIE LCh color 50, 83.103, 290.513 looks on a white background.

Color Contrast Check

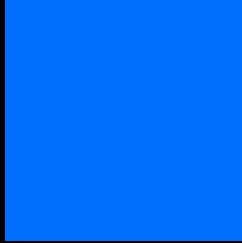
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.103, 290.513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

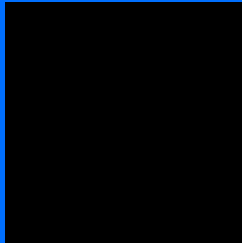
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

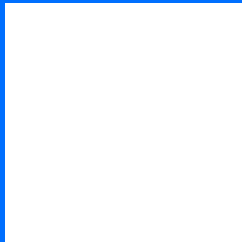
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 83.103, 290.513

Background



This preview shows how black text looks on a background with the CIELCh color 50, 83.103, 290.513.



This preview shows how white text looks on a background with the CIELCh color 50, 83.103, 290.513.

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, 83.103, 290.513

Protanopia

50, 74.804, 287.570

Deuteranopia

50, 52.796, 275.225



Tritanopia
50, 29.641, 205.808

Trichromacy



Original Color
50, 83.103, 290.513

Protanomaly
50, 77.568, 288.622

Deuteranomaly
50, 63.895, 282.673

Tritanomaly
49, 38.762, 258.765

Monochromacy



Original Color
50, 83.103, 290.513

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 32.726, 274.387

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 83.103, 290.513 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(0, 111, 254)` looks like.

```
.text, #text, p{  
    color:rgb(0, 111, 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(0, 111, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 111, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 83.103, 290.513 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(0, 111, 254) }
```

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

```
.border{ border-color:rgb(0, 111, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 111, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 111, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 111, 254);  
box-shadow:4px 4px 4px 4px rgb(0, 111,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 83.103, 290.513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 111, 254) }
```

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

```
.background{ background-color: rgb(0, 111,  
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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