

Converting Colors

CIELCh(51, 77.204, 288.033)

Have a look what the booklet for
CIELCh(51, 77.204, 288.033)
contains.

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Color

CIELCh(51, 77.347, 288.095)

Conversions

Conversions Part 1

Format	Color
Hex	0074F9
RGB	0, 116, 249
RGB Percent	0%, 45%, 98%
CMY	1.0000, 0.5458, 0.0243
CMYK	1.00, 0.53, 0.00, 0.02
HSL	212°, 100%, 49%
HSV	212°, 100%, 98%
XYZ	23.2754, 19.2686, 91.9440
YIQ	96.4780, -111.8290, 16.7710

Conversions

Conversions Part 2

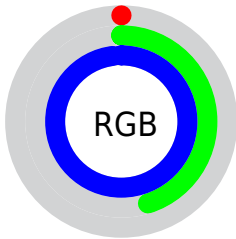
Format	Color
R _{YB}	0, 79, 249
Decimal	29945
CIE _{Lab}	51.00, 24.02, -73.52
CIE _{LCh}	51, 77.347, 288.095
Yxy	19.2686, 0.1731, 0.1433
Android (android.graphics.Color)	4278220025 (0xFF0074F9)
YUV	96.4780, 75.1933, -84.6112
Hunter-Lab	43.8960, 17.8298, -93.4608

Details

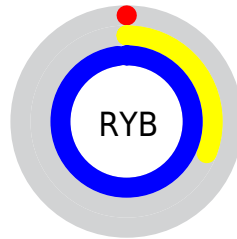
The CIELCh color **51, 77.347, 288.095** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **67, 82.842, 62.763**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 49.686, 277.865**, and **34, 75.389, 295.055** is the 20% darker color. If you saturate the color by 10%, you get **51, 77.342, 288.120**, and if you desaturate by 10%, it is **55, 69.294, 283.749**.

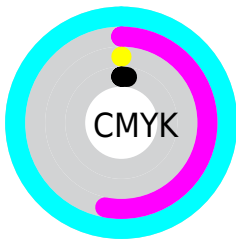
Distribution



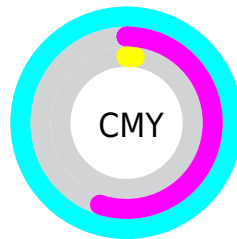
- Red (0%)
- Green (45%)
- Blue (98%)



- Red (0%)
- Yellow (31%)
- Blue (98%)



- Cyan (100%)
- Magenta (53%)
- Yellow (0%)
- Black (2%)





- Cyan (100%)
- Magenta (55%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 77.347, 288.095 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, 77.347, 288.095 by changing the saturation by 10% instead.


 51, 77.347,
288.095


 51, 77.347,
288.095


 100, 77.347,
288.095


 41, 77.347,
288.095


 71, 77.347,
288.095

 31, 77.347,
288.095

 81, 77.347,
288.095

 21, 77.347,
288.095

 91, 77.347,
288.095

 11, 77.347,
288.095

 1, 77.347, 288.095

 0, 77.347, 288.095

■ 51, 77.347,
288.095

■ 51, 77.347,
288.095

■ 51, 77.342,
288.120

■ 55, 69.294,
283.749

■ 59, 61.493,
279.422

■ 63, 53.863,
275.414

■ 68, 46.308,
271.844

■ 73, 38.747,
268.750

■ 78, 31.128,
266.114

■ 83, 23.435,
263.887

■ 88, 15.671,

262.015

■ 93, 7.855, 260.452

Harmonies

Complementary

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



51, 77.347, 288.095



67, 82.842, 62.763

Rectangle

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



51, 77.347, 288.095



51, 77.347, 338.095



51, 77.347, 108.095



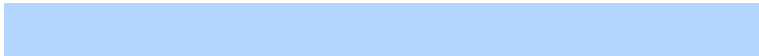
51, 77.347, 158.095

Sweetspot

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



51, 77.342, 288.120



84, 23.907, 263.895



87, 85.165, 150.420



43, 16.286, 264.789



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, 77.342, 288.120



52, 78.907, 288.180



32, 131.193, 306.355



49, 4.482, 260.381



39, 61.742, 287.338



11, 24.414, 280.723

Inverse Universe

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



53, 82.862, 6.260



55, 84.424, 6.329



94, 95.209, 104.952



49, 6.137, 346.329



40, 67.340, 5.380



10, 30.783, 358.975

Previews

White Background



This preview shows how the CIE LCh color 51, 77.347, 288.095 looks on a white background.

Color Contrast Check

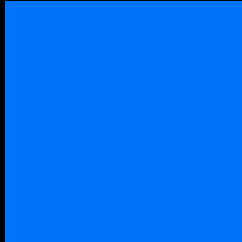
Large Text (above 18pt) WCAG AA ✓ Pass

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, 77.347, 288.095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

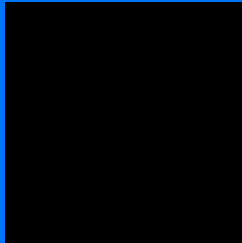
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

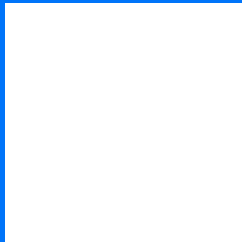
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 77.347, 288.095

Background



This preview shows how black text looks on a background with the CIELCh color 51, 77.347, 288.095.

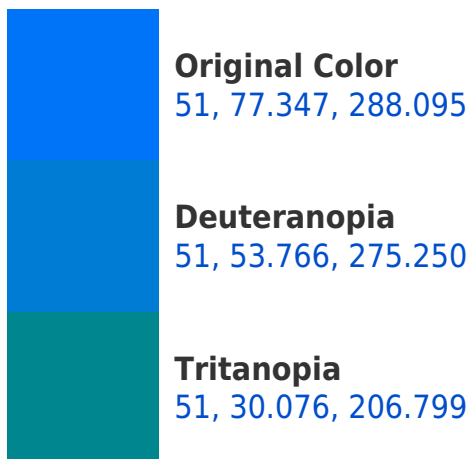


This preview shows how white text looks on a background with the CIELCh color 51, 77.347, 288.095.

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



Trichromacy



Original Color
51, 77.347, 288.095

Deuteranomaly
51, 62.126, 281.034

Tritanomaly
50, 37.733, 255.724

Monochromacy



Original Color
51, 77.347, 288.095

Achromatopsia
41, 0.006, 296.813

Achromatomaly
43, 31.148, 271.563

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 77.347, 288.095 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, 116, 249)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 249)  
}
```

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, 116, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 77.347, 288.095 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, 116, 249) }
```

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

```
.border{ border-color:rgb(0, 116, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 116, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 249);  
box-shadow:4px 4px 4px 4px rgb(0, 116,  
249) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 77.347, 288.095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 116, 249) }
```

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

```
.background{ background-color: rgb(0, 116,  
249) }
```

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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