

Converting Colors

CIELCh(51, 82.555, 290.114)

Have a look what the booklet for
CIELCh(51, 82.555, 290.114)
contains.

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Color

CIELCh(51, 81.763, 289.830)

Conversions

Conversions Part 1

Format	Color
Hex	0672FF
RGB	6, 114, 255
RGB Percent	2%, 45%, 100%
CMY	0.9783, 0.5532, 0.0003
CMYK	0.98, 0.55, 0.00, 0.00
HSL	214°, 100%, 51%
HSV	214°, 98%, 100%
XYZ	24.1141, 19.2686, 96.9844
YIQ	97.7820, -109.6290, 20.9550

Conversions

Conversions Part 2

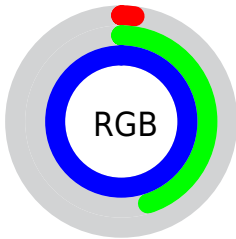
Format	Color
R _Y B	6, 81, 255
Decimal	422655
CIE Lab	51.00, 27.74, -76.91
CIE LCh	51, 81.763, 289.830
Yxy	19.2686, 0.1718, 0.1373
Android (android.graphics.Color)	4278612735 (0xFF0672FF)
YUV	97.7820, 77.5085, -80.4928
Hunter-Lab	43.8960, 21.2403, -100.2688

Details

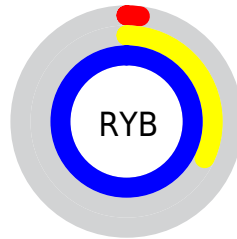
The CIELCh color **51, 81.763, 289.830** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **71, 82.724, 66.101**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 50.552, 279.733**, and **34, 79.399, 296.093** is the 20% darker color. If you saturate the color by 10%, you get **50, 83.719, 290.704**, and if you desaturate by 10%, it is **55, 72.917, 285.589**.

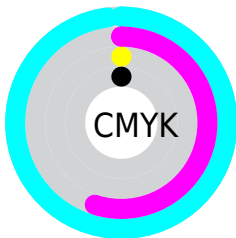
Distribution



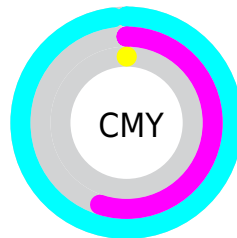
- Red (2%)
- Green (45%)
- Blue (100%)



- Red (2%)
- Yellow (32%)
- Blue (100%)



- Cyan (98%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)





- Cyan (98%)
- Magenta (55%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 81.763, 289.830 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, 81.763, 289.830 by changing the saturation by 10% instead.


 51, 81.763,
289.830


 51, 81.763,
289.830


 100, 81.763,
289.830


 41, 81.763,
289.830


 71, 81.763,
289.830

 31, 81.763,
289.830

 81, 81.763,
289.830

 21, 81.763,
289.830

 91, 81.763,
289.830

 11, 81.763,
289.830

 1, 81.763, 289.830

 0, 81.763, 289.830

■ 51, 81.763,
289.830

■ 51, 81.763,
289.830

■ 50, 83.719,
290.704

■ 55, 72.917,
285.589

■ 60, 64.307,
281.443

■ 64, 55.901,
277.609

■ 69, 47.623,
274.196

■ 74, 39.399,
271.236

■ 80, 31.180,
268.708

■ 85, 22.948,
266.566

■ 90, 14.702,

264.758

 96, 6.455, 263.250

Harmonies

Complementary

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



51, 81.763, 289.830



71, 82.724, 66.101

Rectangle

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



51, 81.763, 289.830



51, 81.763, 339.830



51, 81.763, 109.830



51, 81.763, 159.830

Sweetspot

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



51, 81.763, 289.832



84, 23.920, 266.799



89, 84.192, 151.801



43, 16.411, 267.686



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, 81.763, 289.832



50, 83.742, 290.705



33, 132.604, 306.269



50, 4.689, 263.481



38, 66.224, 289.945



10, 26.685, 283.930

Inverse Universe

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



55, 84.101, 8.326



54, 84.539, 9.391



96, 96.697, 105.968



50, 6.117, 348.131



41, 68.038, 8.433



10, 31.410, 1.865

Previews

White Background



This preview shows how the CIELCh color 51, 81.763, 289.830 looks on a white background.

Color Contrast Check

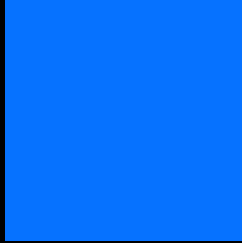
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.763, 289.830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

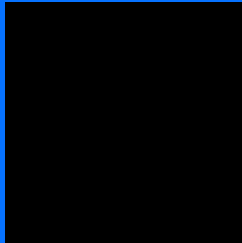
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

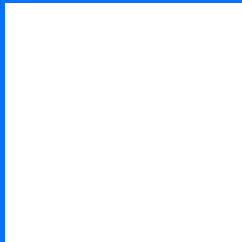
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 81.763, 289.830

Background



This preview shows how black text looks on a background with the CIELCh color 51, 81.763, 289.830.



This preview shows how white text looks on a background with the CIELCh color 51, 81.763, 289.830.

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

51, 81.763, 289.830

Protanopia

51, 76.274, 287.747

Deuteranopia

51, 53.261, 274.877



Tritanopia
51, 30.143, 205.612

Trichromacy



Original Color
51, 81.763, 289.830

Protanomaly
51, 78.485, 288.644

Deuteranomaly
51, 63.740, 282.099

Tritanomaly
50, 38.482, 257.295

Monochromacy



Original Color
51, 81.763, 289.830

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 32.034, 273.403

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 81.763, 289.830 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(6, 114, 255)` looks like.

```
.text, #text, p{  
    color:rgb(6, 114, 255)  
}
```

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(6, 114, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 114, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 81.763, 289.830 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(6, 114, 255) }
```

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

```
.border{ border-color:rgb(6, 114, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 114, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 114, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 114, 255);  
box-shadow:4px 4px 4px 4px rgb(6, 114,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 81.763, 289.830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 114, 255) }
```

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

```
.background{ background-color: rgb(6, 114,  
255) }
```

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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