

Converting Colors

CIELCh(51, 75.332, 287.143)

Have a look what the booklet for
CIELCh(51, 75.332, 287.143)
contains.

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Color

CIELCh(51, 75.131, 287.209)

Conversions

Conversions Part 1

Format	Color
Hex	0075F6
RGB	0, 117, 246
RGB Percent	0%, 46%, 96%
CMY	1.0000, 0.5424, 0.0367
CMYK	1.00, 0.52, 0.00, 0.04
HSL	211°, 100%, 48%
HSV	211°, 100%, 96%
XYZ	22.8770, 19.2686, 89.4082
YIQ	96.7230, -111.1410, 15.3150

Conversions

Conversions Part 2

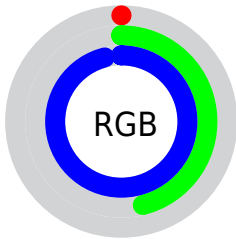
Format	Color
R _Y B	0, 79, 246
Decimal	30198
CIE Lab	51.00, 22.23, -71.77
CIE LCh	51, 75.131, 287.209
Yxy	19.2686, 0.1739, 0.1465
Android (android.graphics.Color)	4278220278 (0xFF0075F6)
YUV	96.7230, 73.5936, -84.8261
Hunter-Lab	43.8960, 16.2095, -90.0357

Details

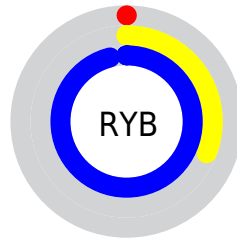
The CIELCh color **51, 75.131, 287.209** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark saturated azure. A complement of this color would be **66, 82.325, 61.966**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 49.242, 277.034**, and **34, 73.600, 294.458** is the 20% darker color. If you saturate the color by 10%, you get **51, 75.121, 287.254**, and if you desaturate by 10%, it is **55, 67.371, 282.831**.

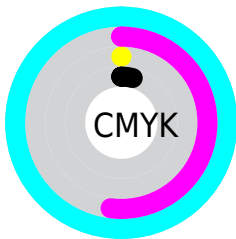
Distribution



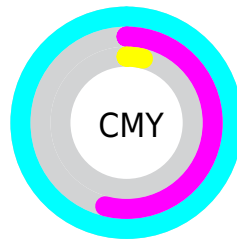
- Red (0%)
- Green (46%)
- Blue (96%)



- Red (0%)
- Yellow (31%)
- Blue (96%)



- Cyan (100%)
- Magenta (52%)
- Yellow (0%)
- Black (4%)





- Cyan (100%)
- Magenta (54%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 75.131, 287.209 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, 75.131, 287.209 by changing the saturation by 10% instead.


 51, 75.131,
287.209


 51, 75.131,
287.209


 100, 75.131,
287.209


 41, 75.131,
287.209


 71, 75.131,
287.209

 31, 75.131,
287.209

 81, 75.131,
287.209

 21, 75.131,
287.209

 91, 75.131,
287.209

 11, 75.131,
287.209

 1, 75.131, 287.209

 0, 75.131, 287.209

■ 51, 75.131,
287.209

■ 51, 75.131,
287.209

■ 51, 75.121,
287.254

■ 55, 67.371,
282.831

■ 59, 59.862,
278.465

■ 63, 52.508,
274.431

■ 68, 45.206,
270.847

■ 72, 37.873,
267.747

■ 77, 30.462,
265.110

■ 82, 22.958,
262.885

■ 87, 15.366,

261.018

■ 92, 7.709, 259.461

Harmonies

Complementary

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



51, 75.131, 287.209



66, 82.325, 61.966

Rectangle

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



51, 75.131, 287.209



51, 75.131, 337.209



51, 75.131, 107.209



51, 75.131, 157.209

Sweetspot

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



51, 75.121, 287.254



85, 23.664, 262.898



86, 85.839, 149.553



43, 16.113, 263.791



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, 75.121, 287.254



53, 77.441, 287.347



31, 130.002, 306.322



49, 4.370, 259.390



39, 59.934, 286.447



10, 23.173, 279.375

Inverse Universe

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



53, 82.089, 5.286



55, 84.446, 5.389



94, 94.229, 103.903



48, 6.071, 345.787



40, 66.701, 4.412



9, 30.045, 357.866

Previews

White Background



This preview shows how the CIE LCh color 51, 75.131, 287.209 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, 75.131, 287.209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

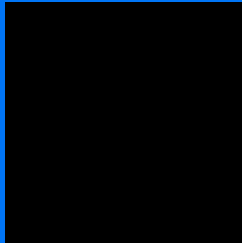
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

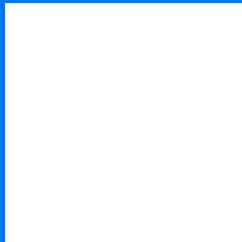
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 75.131, 287.209

Background



This preview shows how black text looks on a background with the CIELCh color 51, 75.131, 287.209.



This preview shows how white text looks on a background with the CIELCh color 51, 75.131, 287.209.

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, 75.131, 287.209

Protanopia

51, 75.064, 288.009

Deuteranopia

51, 54.273, 275.617



Tritanopia
51, 30.076, 206.799

Trichromacy



Original Color
51, 75.131, 287.209

Protanomaly
51, 75.128, 287.714

Deuteranomaly
51, 62.126, 281.034

Tritanomaly
50, 37.034, 253.911

Monochromacy



Original Color
51, 75.131, 287.209

Achromatopsia
41, 0.006, 296.813

Achromatomaly
43, 30.068, 270.200

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 75.131, 287.209 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, 117, 246)` looks like.

```
.text, #text, p{  
    color:rgb(0, 117, 246)  
}
```

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, 117, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 117, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 75.131, 287.209 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, 117, 246) }
```

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

```
.border{ border-color:rgb(0, 117, 246) }
```

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

Here you see how a box with a 4 pixel rgb(0, 117, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 117, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 117, 246);  
box-shadow:4px 4px 4px 4px rgb(0, 117,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 75.131, 287.209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 117, 246) }
```

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

```
.background{ background-color: rgb(0, 117,  
246) }
```

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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