

Converting Colors

CIELCh(50, 68.213, 284.828)

Have a look what the booklet for
CIELCh(50, 68.213, 284.828)
contains.

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Color

CIELCh(50, 68.202, 284.877)

Conversions

Conversions Part 1

Format	Color
Hex	0574E8
RGB	5, 116, 232
RGB Percent	2%, 45%, 91%
CMY	0.9785, 0.5442, 0.0892
CMYK	0.98, 0.50, 0.00, 0.09
HSL	211°, 95%, 47%
HSV	211°, 98%, 91%
XYZ	20.9421, 18.4187, 78.9913
YIQ	96.0350, -103.3920, 12.5440

Conversions

Conversions Part 2

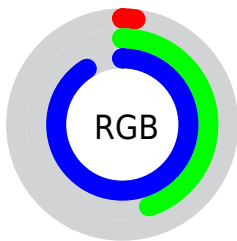
Format	Color
R_{YB}	5, 80, 232
Decimal	357608
CIE _{Lab}	50.00, 17.51, -65.92
CIE _{LCh}	50, 68.202, 284.877
Yxy	18.4187, 0.1769, 0.1556
Android (android.graphics.Color)	4278547688 (0xFF0574E8)
YUV	96.0350, 67.0307, -79.8377
Hunter-Lab	42.9170, 11.9976, -79.0850

Details

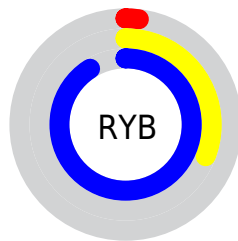
The CIELCh color **50, 68.202, 284.877** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **63, 78.179, 61.618**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 49.890, 276.929**, and **33, 66.287, 292.650** is the 20% darker color. If you saturate the color by 10%, you get **49, 69.915, 285.899**, and if you desaturate by 10%, it is **54, 61.154, 280.356**.

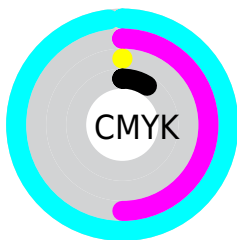
Distribution



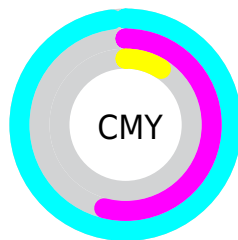
- Red (2%)
- Green (45%)
- Blue (91%)



- Red (2%)
- Yellow (31%)
- Blue (91%)



- Cyan (98%)
- Magenta (50%)
- Yellow (0%)
- Black (9%)





- Cyan (98%)
- Magenta (54%)
- Yellow (9%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 68.202, 284.877 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, 68.202, 284.877 by changing the saturation by 10% instead.


 50, 68.202,
284.877


 50, 68.202,
284.877


 100, 68.202,
284.877


 40, 68.202,
284.877


 70, 68.202,
284.877

 30, 68.202,
284.877


 80, 68.202,
284.877


 20, 68.202,
284.877

 90, 68.202,
284.877

 10, 68.202,
284.877

 0, 68.202, 284.877

 50, 68.202,
284.877

 50, 68.202,
284.877

49, 69.915,
285.899

54, 61.154,
280.356

57, 54.303,
276.020

61, 47.549,
272.073

66, 40.791,
268.604

70, 33.958,
265.624

75, 27.016,
263.101

79, 19.958,
260.980

84, 12.801,
259.204

88, 5.566, 257.739

Harmonies

Complementary

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



50, 68.202, 284.877



63, 78.179, 61.618

Rectangle

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



50, 68.202, 284.877



50, 68.202, 334.877



50, 68.202, 104.877



50, 68.202, 154.877

Sweetspot

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



50, 68.202, 284.879



85, 22.573, 261.278



81, 82.448, 149.305



43, 15.449, 262.165



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, 68.202, 284.879



54, 75.425, 286.142



29, 123.615, 306.127



47, 4.172, 257.983



39, 57.082, 285.130



9, 21.007, 277.068

Inverse Universe

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



50, 78.484, 2.821



55, 84.520, 4.089



89, 89.871, 102.885



46, 5.914, 345.044



39, 65.431, 3.045



8, 28.502, 356.108

Previews

White Background



This preview shows how the CIE LCh color 50, 68.202, 284.877 looks on a white 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

Black Background



This preview shows how the CIELCh color 50, 68.202, 284.877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

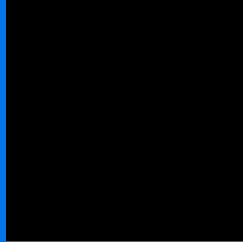
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

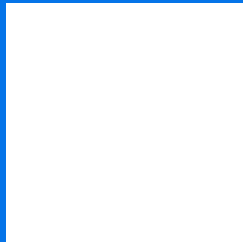
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 68.202, 284.877

Background



This preview shows how black text looks on a background with the CIELCh color 50, 68.202, 284.877.



This preview shows how white text looks on a background with the CIELCh color 50, 68.202, 284.877.

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, 68.196, 284.902

Protanopia

50, 67.857, 287.565

Deuteranopia

50, 53.815, 275.969



Tritanopia
50, 29.576, 207.020

Trichromacy



Original Color
50, 68.196, 284.902

Protanomaly
50, 68.019, 286.211

Deuteranomaly
50, 59.035, 279.810

Tritanomaly
49, 35.367, 251.355

Monochromacy



Original Color
50, 68.196, 284.902

Achromatopsia
41, 0.006, 296.813

Achromatomaly
43, 27.861, 268.457

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 68.202, 284.877 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(5, 116, 232)` looks like.

```
.text, #text, p{  
    color:rgb(5, 116, 232)  
}
```

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(5, 116, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 116, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 68.202, 284.877 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(5, 116, 232) }
```

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

```
.border{ border-color:rgb(5, 116, 232) }
```

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

Here you see how a box with a 4 pixel rgb(5, 116, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 116, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 116, 232);  
box-shadow:4px 4px 4px 4px rgb(5, 116,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 68.202, 284.877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 116, 232) }
```

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

```
.background{ background-color: rgb(5, 116,  
232) }
```

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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