

Converting Colors

CIELCh(50, 67.860, 284.760)

Have a look what the booklet for
CIELCh(50, 67.860, 284.760)
contains.

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Color

CIELCh(50, 68.186, 284.952)

Conversions

Conversions Part 1

Format	Color
Hex	0874E8
RGB	8, 116, 232
RGB Percent	3%, 45%, 91%
CMY	0.9680, 0.5444, 0.0894
CMYK	0.96, 0.50, 0.00, 0.09
HSL	211°, 93%, 47%
HSV	211°, 96%, 91%
XYZ	20.9592, 18.4187, 78.9406
YIQ	96.9320, -101.6040, 13.1800

Conversions

Conversions Part 2

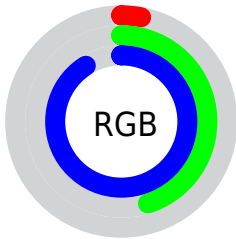
Format	Color
R _Y B	8, 81, 232
Decimal	554216
CIE Lab	50.00, 17.59, -65.88
CIE LCh	50, 68.186, 284.952
Yxy	18.4187, 0.1771, 0.1557
Android (android.graphics.Color)	4278744296 (0xFF0874E8)
YUV	96.9320, 66.5885, -77.9934
Hunter-Lab	42.9170, 12.0687, -79.0150

Details

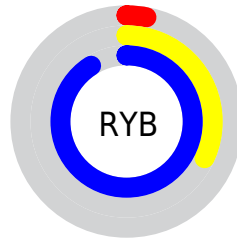
The CIELCh color `50, 68.186, 284.952` is a dark color, and the websafe version is hex `0066CC`. The color can be described as dark washed azure. A complement of this color would be `63, 77.485, 62.477`, and the grayscale version is `41, 0.006, 296.813`.

A 20% lighter version of the original color is `68, 49.838, 277.159`, and `33, 66.287, 292.650` is the 20% darker color. If you saturate the color by 10%, you get `49, 70.766, 286.470`, and if you desaturate by 10%, it is `54, 61.033, 280.462`.

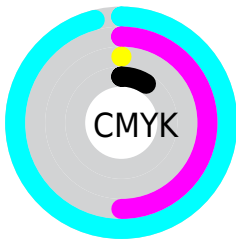
Distribution



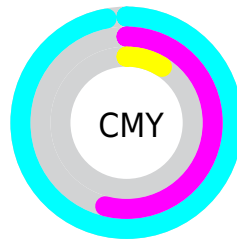
- Red (3%)
- Green (45%)
- Blue (91%)



- Red (3%)
- Yellow (32%)
- Blue (91%)



- Cyan (96%)
- Magenta (50%)
- Yellow (0%)
- Black (9%)





- Cyan (97%)
- Magenta (54%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 68.186, 284.952 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, 68.186, 284.952 by changing the saturation by 10% instead.


 50, 68.186,
284.952


 50, 68.186,
284.952


 100, 68.186,
284.952


 40, 68.186,
284.952


 70, 68.186,
284.952

 30, 68.186,
284.952


 80, 68.186,
284.952


 20, 68.186,
284.952

 90, 68.186,
284.952

 10, 68.186,
284.952

 0, 68.186, 284.952

 50, 68.186,
284.952

 50, 68.186,
284.952

■ 49, 70.766,
286.470

■ 54, 61.033,
280.462

■ 58, 54.073,
276.187

■ 62, 47.208,
272.307

■ 66, 40.345,
268.903

■ 70, 33.416,
265.981

■ 75, 26.388,
263.507

■ 80, 19.258,
261.427

■ 84, 12.040,
259.683

■ 89, 4.757, 258.251

Harmonies

Complementary

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



50, 68.186, 284.952



63, 77.485, 62.477

Rectangle

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



50, 68.186, 284.952



50, 68.186, 334.952



50, 68.186, 104.952



50, 68.186, 154.952

Sweetspot

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



50, 68.186, 284.954



85, 22.717, 261.945



81, 80.464, 150.422



43, 15.553, 262.833



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, 68.186, 284.954



53, 76.364, 286.712



30, 123.006, 306.088



47, 4.194, 258.642



38, 57.784, 285.709



9, 21.235, 277.706

Inverse Universe

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



50, 78.271, 2.910



55, 84.479, 4.695



89, 89.669, 103.919



46, 5.890, 345.388



39, 65.385, 3.636



8, 28.448, 356.585

Previews

White Background



This preview shows how the CIE LCh color 50, 68.186, 284.952 looks on a white background.

Color Contrast Check

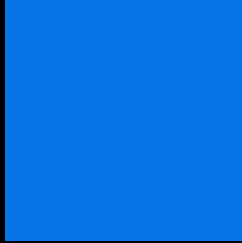
Large Text (above 18pt) WCAG AA ✓ Pass

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, 68.186, 284.952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

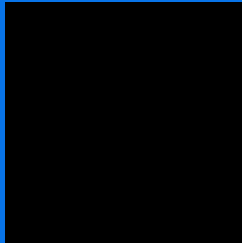
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

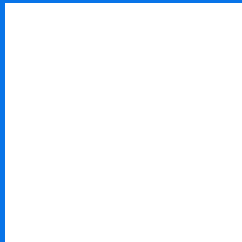
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 68.186, 284.952

Background



This preview shows how black text looks on a background with the CIELCh color 50, 68.186, 284.952.



This preview shows how white text looks on a background with the CIELCh color 50, 68.186, 284.952.

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, 68.180, 284.976

Protanopia

50, 67.857, 287.565

Deuteranopia

50, 53.815, 275.969



Tritanopia
50, 29.576, 207.020

Trichromacy



Original Color
50, 68.180, 284.976

Protanomaly
50, 68.006, 286.275

Deuteranomaly
50, 59.028, 279.841

Tritanomaly
49, 35.341, 251.412

Monochromacy



Original Color
50, 68.180, 284.976

Achromatopsia
41, 0.006, 296.813

Achromatomaly
43, 27.228, 268.100

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 68.186, 284.952 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(8, 116, 232)` looks like.

```
.text, #text, p{  
    color:rgb(8, 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(8, 116, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 116, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 68.186, 284.952 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(8, 116, 232) }
```

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

```
.border{ border-color:rgb(8, 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(8, 116, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 116, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 116, 232);  
box-shadow:4px 4px 4px 4px rgb(8, 116,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 68.186, 284.952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 116, 232) }
```

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

```
.background{ background-color: rgb(8, 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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