

Converting Colors

CIELCh(43, 70.841, 233.143)

Have a look what the booklet for
CIELCh(43, 70.841, 233.143)
contains.

CIELCh(50, 45.890, 268.590)	3
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Color

CIELCh(50, 45.890, 268.590)

Conversions

Conversions Part 1

Format	Color
Hex	047CC5
RGB	4, 124, 197
RGB Percent	2%, 49%, 77%
CMY	0.9843, 0.5145, 0.2279
CMYK	0.98, 0.37, 0.00, 0.23
HSL	203°, 96%, 39%
HSV	203°, 98%, 77%
XYZ	17.2987, 18.4187, 55.4030
YIQ	96.4420, -94.9530, -2.7370

Conversions

Conversions Part 2

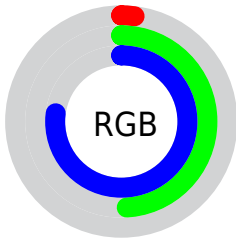
Format	Color
RYB	4, 78, 197
Decimal	294085
CIELab	50.00, -1.13, -45.88
CIElCh	50, 45.890, 268.590
Yxy	18.4187, 0.1898, 0.2021
Android (android.graphics.Color)	4278484165 (0xFF047CC5)
YUV	96.4420, 49.5751, -81.0716
Hunter-Lab	42.9170, -3.1558, -46.4977

Details

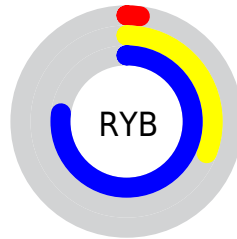
The CIELCh color **50, 45.890, 268.590** is a dark color, and the websafe version is hex **006699**. The color can be described as dark washed azure. A complement of this color would be **48, 73.367, 51.911**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 45.896, 268.461**, and **32, 43.209, 279.749** is the 20% darker color. If you saturate the color by 10%, you get **50, 46.647, 269.569**, and if you desaturate by 10%, it is **52, 42.287, 263.621**.

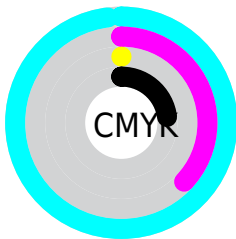
Distribution



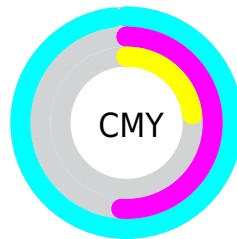
- Red (2%)
- Green (49%)
- Blue (77%)



- Red (2%)
- Yellow (31%)
- Blue (77%)



- Cyan (98%)
- Magenta (37%)
- Yellow (0%)
- Black (23%)





- Cyan (98%)
- Magenta (51%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 45.890, 268.590 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, 45.890, 268.590 by changing the saturation by 10% instead.


 50, 45.890,
268.590


 50, 45.890,
268.590


 100, 45.890,
268.590


 40, 45.890,
268.590


 70, 45.890,
268.590

 30, 45.890,
268.590


 80, 45.890,
268.590


 20, 45.890,
268.590

 90, 45.890,
268.590

 10, 45.890,
268.590

 0, 45.890, 268.590

 50, 45.890,
268.590

 50, 45.890,
268.590

50, 46.647,
269.569

52, 42.287,
263.621

55, 38.632,
259.074

58, 34.760,
255.122

61, 30.574,
251.785

64, 26.032,
249.020

67, 21.136,
246.755

70, 15.917,
244.912

73, 10.421,
243.418

77, 4.698, 242.239

Harmonies

Complementary

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



50, 45.890, 268.590



48, 73.367, 51.911

Rectangle

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



50, 45.890, 268.590



50, 45.890, 318.590



50, 45.890, 88.590



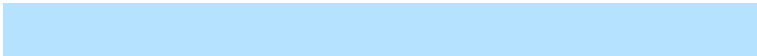
50, 45.890, 138.590

Sweetspot

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



50, 45.889, 268.591



88, 20.294, 245.160



70, 82.157, 143.676



45, 13.796, 245.935



0, 0.000, 0.000



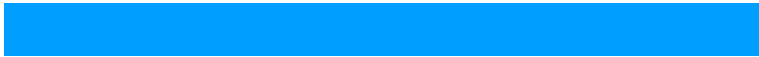
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50, 45.889, 268.591



63, 57.334, 270.423



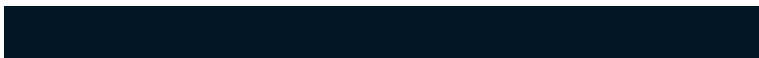
27, 101.312, 304.020



40, 3.362, 242.385



41, 40.173, 268.803



6, 12.199, 257.008

Inverse Universe

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



43, 72.464, 350.700



56, 87.939, 351.734



70, 72.442, 93.578



39, 5.656, 338.313



36, 63.313, 350.810



4, 19.312, 345.472

Previews

White Background



This preview shows how the CIE LCh color 50, 45.890, 268.590 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, 45.890, 268.590 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, 45.890, 268.590

Background



This preview shows how black text looks on a background with the CIELCh color 50, 45.890, 268.590.

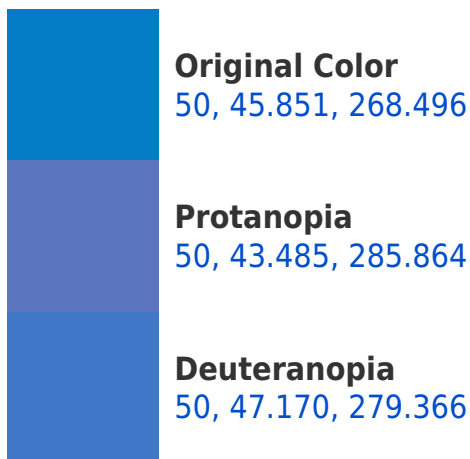


This preview shows how white text looks on a background with the CIELCh color 50, 45.890, 268.590.

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





Tritanopia
50, 29.743, 206.945

Trichromacy



Original Color
50, 45.851, 268.496

Protanomaly
49, 44.720, 276.545

Deuteranomaly
50, 46.936, 274.242

Tritanomaly
50, 31.067, 234.902

Monochromacy



Original Color
50, 45.851, 268.496

Achromatopsia
41, 0.006, 296.813

Achromatomaly
43, 20.682, 250.756

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 45.890, 268.590 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(4, 124, 197)` looks like.

```
.text, #text, p{  
    color:rgb(4, 124, 197)  
}
```

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(4, 124, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 124, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 45.890, 268.590 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(4, 124, 197) }
```

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

```
.border{ border-color:rgb(4, 124, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 124, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 124, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 124, 197);  
box-shadow:4px 4px 4px 4px rgb(4, 124,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 45.890, 268.590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 124, 197) }
```

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

```
.background{ background-color: rgb(4, 124,  
197) }
```

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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