

Converting Colors

CIELCh(45, 62.272, 240.883)

Have a look what the booklet for
CIELCh(45, 62.272, 240.883)
contains.

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Color

CIELCh(50, 45.905, 268.322)

Conversions

Conversions Part 1

Format	Color
Hex	007CC5
RGB	0, 124, 197
RGB Percent	0%, 49%, 77%
CMY	1.0000, 0.5140, 0.2278
CMYK	1.00, 0.37, 0.00, 0.23
HSL	202°, 100%, 39%
HSV	202°, 100%, 77%
XYZ	17.2594, 18.4187, 55.4126
YIQ	95.2460, -97.3370, -3.5850

Conversions

Conversions Part 2

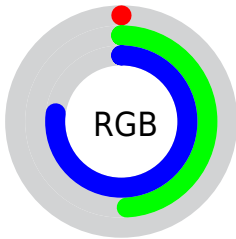
Format	Color
RYB	0, 76, 197
Decimal	31941
CIELab	50.00, -1.34, -45.89
CIELCh	50, 45.905, 268.322
Yxy	18.4187, 0.1895, 0.2022
Android (android.graphics.Color)	4278222021 (0xFF007CC5)
YUV	95.2460, 50.1647, -83.5307
Hunter-Lab	42.9170, -3.3195, -46.5110

Details

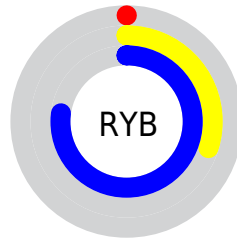
The CIELCh color **50, 45.905, 268.322** is a dark color, and the websafe version is hex **006699**. The color can be described as dark washed azure. A complement of this color would be **48, 74.981, 51.108**, and the grayscale version is **40, 0.006, 296.813**.

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, 45.899, 268.339**, and if you desaturate by 10%, it is **52, 42.422, 263.365**.

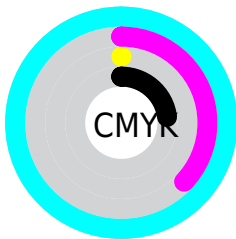
Distribution



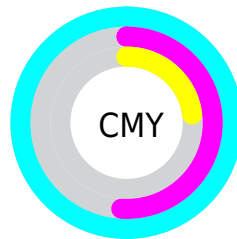
- Red (0%)
- Green (49%)
- Blue (77%)



- Red (0%)
- Yellow (30%)
- Blue (77%)



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (23%)





- Cyan (100%)
- Magenta (51%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 45.905, 268.322 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, 45.905, 268.322 by changing the saturation by 10% instead.


 50, 45.905,
268.322


 50, 45.905,
268.322


 100, 45.905,
268.322


 40, 45.905,
268.322


 70, 45.905,
268.322

 30, 45.905,
268.322


 80, 45.905,
268.322


 20, 45.905,
268.322

 90, 45.905,
268.322

 10, 45.905,
268.322

 0, 45.905, 268.322

 50, 45.905,
268.322

 50, 45.905,
268.322

■ 50, 45.899,
268.339

■ 52, 42.422,
263.365

■ 55, 38.930,
258.715

■ 58, 35.227,
254.658

■ 60, 31.203,
251.226

■ 63, 26.809,
248.383

■ 66, 22.041,
246.055

■ 70, 16.929,
244.164

■ 73, 11.517,
242.635

■ 76, 5.859, 241.418

Harmonies

Complementary

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



50, 45.905, 268.322



48, 74.981, 51.108

Rectangle

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



50, 45.905, 268.322



50, 45.905, 318.322



50, 45.905, 88.322



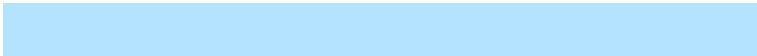
50, 45.905, 138.322

Sweetspot

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



50, 45.899, 268.339



88, 20.861, 244.243



70, 83.157, 143.279



45, 14.093, 245.012



0, 0.000, 0.000



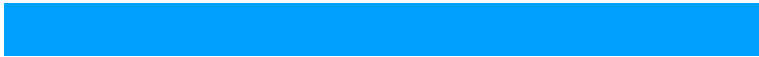
53, 0.007, 296.813

Same Dimension

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



50, 45.899, 268.339



64, 56.391, 269.198



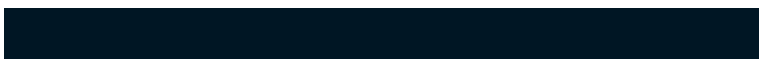
26, 102.846, 304.364



40, 3.353, 241.354



42, 39.541, 267.570



6, 12.094, 255.874

Inverse Universe

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



43, 72.889, 350.554



56, 88.296, 351.031



70, 72.807, 93.375



39, 5.689, 337.939



36, 63.575, 350.137



4, 19.431, 344.960

Previews

White Background



This preview shows how the CIE LCh color 50, 45.905, 268.322 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, 45.905, 268.322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

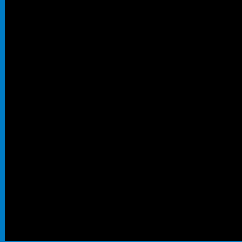
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 45.905, 268.322

Background



This preview shows how black text looks on a background with the CIELCh color 50, 45.905, 268.322.



This preview shows how white text looks on a background with the CIELCh color 50, 45.905, 268.322.

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, 45.905, 268.322

Protanopia

50, 43.485, 285.864

Deuteranopia

50, 47.131, 279.575



Tritanopia
50, 29.743, 206.945

Trichromacy



Original Color
50, 45.905, 268.322

Protanomaly
49, 44.806, 276.140

Deuteranomaly
50, 46.970, 274.108

Tritanomaly
50, 31.103, 234.848

Monochromacy



Original Color
50, 45.905, 268.322

Achromatopsia
40, 0.006, 296.813

Achromatomaly
43, 20.770, 247.753

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 50, 45.905, 268.322 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, 124, 197)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 124, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 124, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 45.905, 268.322 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, 124, 197) }
```

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

```
.border{ border-color:rgb(0, 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(0, 124, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 124, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 124, 197);  
box-shadow:4px 4px 4px 4px rgb(0, 124,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 45.905, 268.322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 124, 197) }
```

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

```
.background{ background-color: rgb(0, 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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