

Converting Colors

CIELCh(50, 44.581, 266.398)

Have a look what the booklet for
CIELCh(50, 44.581, 266.398)
contains.

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Color

CIELCh(50, 44.498, 266.762)

Conversions

Conversions Part 1

Format	Color
Hex	027CC2
RGB	2, 124, 194
RGB Percent	1%, 49%, 76%
CMY	0.9937, 0.5124, 0.2378
CMYK	0.99, 0.36, 0.00, 0.24
HSL	202°, 98%, 38%
HSV	202°, 99%, 76%
XYZ	17.0465, 18.4187, 53.9082
YIQ	95.5020, -95.1820, -4.0940

Conversions

Conversions Part 2

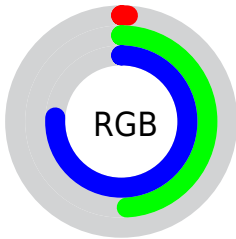
Format	Color
RYB	2, 77, 194
Decimal	163010
CIELab	50.00, -2.51, -44.43
CIELCh	50, 44.498, 266.762
Yxy	18.4187, 0.1907, 0.2061
Android (android.graphics.Color)	4278353090 (0xFF027CC2)
YUV	95.5020, 48.5595, -82.0013
Hunter-Lab	42.9170, -4.2051, -44.4326

Details

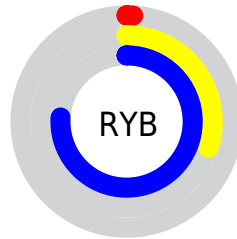
The CIELCh color **50, 44.498, 266.762** is a dark color, and the websafe version is hex **006699**. The color can be described as dark washed azure. A complement of this color would be **47, 73.999, 50.799**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 44.592, 266.956**, and **32, 41.514, 278.361** is the 20% darker color. If you saturate the color by 10%, you get **50, 44.781, 267.162**, and if you desaturate by 10%, it is **52, 41.204, 261.786**.

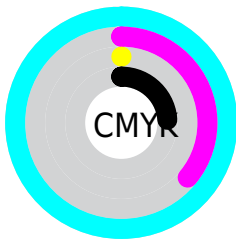
Distribution



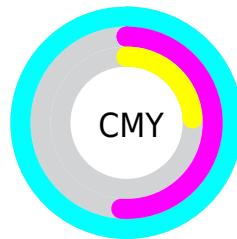
- Red (1%)
- Green (49%)
- Blue (76%)



- Red (1%)
- Yellow (30%)
- Blue (76%)



- Cyan (99%)
- Magenta (36%)
- Yellow (0%)
- Black (24%)





- Cyan (99%)
- Magenta (51%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 44.498, 266.762 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, 44.498, 266.762 by changing the saturation by 10% instead.


 50, 44.498,
266.762


 50, 44.498,
266.762


 100, 44.498,
266.762

 40, 44.498,
266.762

 70, 44.498,
266.762

 30, 44.498,
266.762

 80, 44.498,
266.762

 20, 44.498,
266.762

 90, 44.498,
266.762

 10, 44.498,
266.762

 0, 44.498, 266.762

 50, 44.498,
266.762

 50, 44.498,
266.762

■ 50, 44.781,
267.162

■ 52, 41.204,
261.786

■ 55, 37.854,
257.201

■ 57, 34.263,
253.226

■ 60, 30.330,
249.881

■ 63, 26.012,
247.119

■ 66, 21.312,
244.866

■ 69, 16.262,
243.040

■ 72, 10.911,
241.568

■ 76, 5.313, 240.406

Harmonies

Complementary

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



50, 44.498, 266.762



47, 73.999, 50.799

Rectangle

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



50, 44.498, 266.762



50, 44.498, 316.762



50, 44.498, 86.762



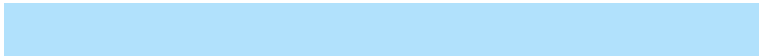
50, 44.498, 136.762

Sweetspot

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



50, 44.497, 266.763



87, 20.620, 243.256



69, 83.024, 142.860



45, 14.039, 244.015



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, 44.497, 266.763



64, 55.127, 268.043



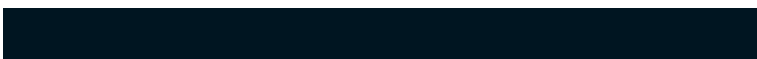
26, 99.779, 303.806



39, 3.276, 240.426



41, 38.508, 266.369



6, 11.112, 254.631

Inverse Universe

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



43, 72.419, 349.713



55, 87.964, 350.392



68, 71.267, 92.132



38, 5.597, 337.605



35, 63.097, 349.505



3, 17.334, 344.033

Previews

White Background



This preview shows how the CIE LCh color 50, 44.498, 266.762 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, 44.498, 266.762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

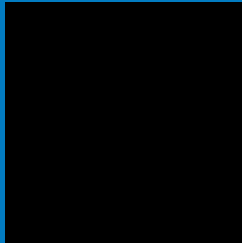
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 44.498, 266.762

Background



This preview shows how black text looks on a background with the CIELCh color 50, 44.498, 266.762.



This preview shows how white text looks on a background with the CIELCh color 50, 44.498, 266.762.

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, 44.469, 266.852

Protanomaly
49, 43.148, 275.348

Deuteranomaly
50, 45.339, 273.256

Tritanomaly
50, 30.859, 233.797

Monochromacy



Original Color
50, 44.469, 266.852

Achromatopsia
41, 0.006, 296.813

Achromatomaly
43, 20.447, 248.841

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 44.498, 266.762 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(2, 124, 194)` looks like.

```
.text, #text, p{  
    color:rgb(2, 124, 194)  
}
```

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(2, 124, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 124, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 44.498, 266.762 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(2, 124, 194) }
```

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

```
.border{ border-color:rgb(2, 124, 194) }
```

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

Here you see how a box with a 4 pixel rgb(2, 124, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 124, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 124, 194);  
box-shadow:4px 4px 4px 4px rgb(2, 124,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 44.498, 266.762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 124, 194) }
```

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

```
.background{ background-color: rgb(2, 124,  
194) }
```

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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