

Converting Colors

CIELCh(50, 8.909, 208.492)

Have a look what the booklet for
CIELCh(50, 8.909, 208.492) contains.

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Color

CIELCh(50, 8.803, 210.108)

Conversions

Conversions Part 1

Format	Color
Hex	647B7E
RGB	100, 123, 126
RGB Percent	39%, 48%, 49%
CMY	0.6074, 0.5172, 0.5054
CMYK	0.21, 0.02, 0.00, 0.51
HSL	187°, 11%, 44%
HSV	187°, 21%, 49%
XYZ	16.1378, 18.4187, 22.4813
YIQ	116.4650, -14.6710, -3.9430

Conversions

Conversions Part 2

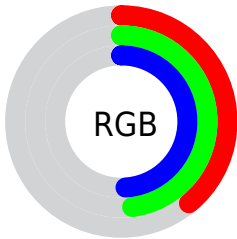
Format	Color
R_{YB}	100, 112, 126
Decimal	6585214
CIE _{Lab}	50.00, -7.62, -4.42
CIE _{LCh}	50, 8.803, 210.108
Yxy	18.4187, 0.2829, 0.3229
Android (android.graphics.Color)	4284775294 (0xFF647B7E)
YUV	116.4650, 4.7008, -14.4398
Hunter-Lab	42.9170, -7.9845, -1.0162

Details

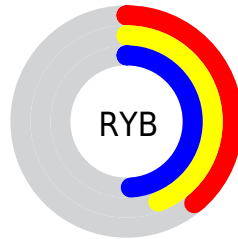
The CIELCh color **50, 8.803, 210.108** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **46, 10.070, 30.656**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 8.825, 213.208**, and **30, 8.887, 210.746** is the 20% darker color. If you saturate the color by 10%, you get **49, 12.632, 210.193**, and if you desaturate by 10%, it is **51, 4.664, 210.147**.

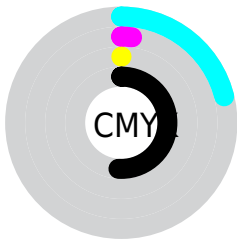
Distribution



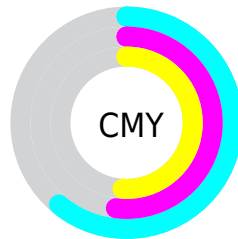
- Red (39%)
- Green (48%)
- Blue (49%)



- Red (39%)
- Yellow (44%)
- Blue (49%)



- Cyan (21%)
- Magenta (2%)
- Yellow (0%)
- Black (51%)



- Cyan (61%)
- Magenta (52%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 8.803, 210.108 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, 8.803, 210.108 by changing the saturation by 10% instead.

■ 50, 8.803, 210.108

■ 50, 8.803, 210.108

■ 100, 8.803,
210.108

■ 40, 8.803, 210.108

■ 70, 8.803, 210.108

■ 30, 8.803, 210.108

■ 80, 8.803, 210.108

■ 20, 8.803, 210.108

■ 90, 8.803, 210.108

■ 10, 8.803, 210.108

■ 0, 8.803, 210.108

■ 50, 8.803, 210.108

■ 50, 8.803, 210.108

■ 49, 12.632,
210.193

■ 51, 4.664, 210.147

■ 48, 16.084,
210.431

■ 53, 0.278, 211.581

■ 54, 4.299, 30.230

47, 19.092,
210.843

56, 9.017, 30.496

46, 21.597,
211.463

57, 13.837, 30.770

45, 23.554,
212.331

59, 18.724, 31.065

44, 24.945,
213.489

61, 23.651, 31.377

63, 28.597, 31.701

43, 25.783,
214.977

64, 33.546, 32.031

43, 26.276,
216.562

Harmonies

Complementary

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



50, 8.803, 210.108



46, 10.070, 30.656

Rectangle

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



50, 8.803, 210.108



50, 8.803, 260.108



50, 8.803, 30.108



50, 8.803, 80.108

Sweetspot

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



50, 8.803, 210.101



66, 3.291, 210.240



50, 17.325, 145.966



34, 2.169, 210.225



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



50, 8.803, 210.101



63, 12.968, 210.130



46, 9.946, 268.312



26, 2.508, 210.170



43, 26.481, 216.587



0, 0.000, 0.000

Inverse Universe

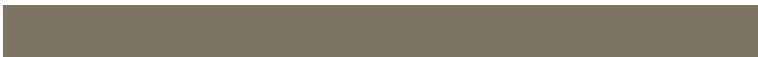
The Inverse Universe completely reimagines the original color for something new.



46, 17.171, 328.892



56, 25.718, 329.180



49, 10.161, 82.857



25, 4.713, 328.223



29, 63.329, 333.249



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 8.803, 210.108 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 CIE LCh color 50, 8.803, 210.108 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

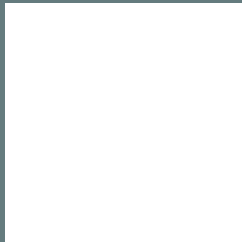
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 8.803, 210.108

Background



This preview shows how black text looks on a background with the CIELCh color 50, 8.803, 210.108.



This preview shows how white text looks on a background with the CIELCh color 50, 8.803, 210.108.

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, 8.803, 210.108

Protanopia

50, 2.964, 298.257

Deuteranopia

50, 8.811, 320.602



Tritanopia
50, 9.573, 236.643

Trichromacy



Original Color
50, 8.803, 210.108

Protanomaly
50, 3.862, 236.606

Deuteranomaly
50, 5.281, 286.642

Tritanomaly
50, 8.993, 230.255

Monochromacy



Original Color
50, 8.803, 210.108

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 3.199, 209.757

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 50, 8.803, 210.108 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(100, 123, 126)` looks like.

```
.text, #text, p{  
    color:rgb(100, 123, 126)  
}
```

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(100, 123, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 123, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 8.803, 210.108 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(100, 123, 126) }
```

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

```
.border{ border-color:rgb(100, 123, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 123, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 123, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 123, 126);  
box-shadow:4px 4px 4px 4px rgb(100, 123,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 8.803, 210.108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 123, 126) }
```

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

```
.background{ background-color: rgb(100,  
123, 126) }
```

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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