

Converting Colors

CIELCh(50, 4.605, 202.352)

Have a look what the booklet for
CIELCh(50, 4.605, 202.352) contains.

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Color

CIELCh(50, 4.708, 206.140)

Conversions

Conversions Part 1

Format	Color
Hex	6D797A
RGB	109, 121, 122
RGB Percent	43%, 47%, 48%
CMY	0.5715, 0.5244, 0.5205
CMYK	0.11, 0.01, 0.00, 0.52
HSL	185°, 6%, 45%
HSV	185°, 11%, 48%
XYZ	16.7377, 18.4187, 21.1715
YIQ	117.5260, -7.4730, -2.2330

Conversions

Conversions Part 2

Format	Color
R_{YB}	109, 115, 122
Decimal	7174522
CIE Lab	50.00, -4.23, -2.07
CIE LCh	50, 4.708, 206.140
Yxy	18.4187, 0.2971, 0.3270
Android (android.graphics.Color)	4285364602 (0xFF6D797A)
YUV	117.5260, 2.2057, -7.4773
Hunter-Lab	42.9170, -5.4895, 0.7933

Details

The CIELCh color **50, 4.708, 206.140** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **48, 5.029, 26.606**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 4.445, 206.238**, and **30, 5.059, 198.672** is the 20% darker color. If you saturate the color by 10%, you get **49, 8.880, 205.904**, and if you desaturate by 10%, it is **51, 0.288, 207.639**.

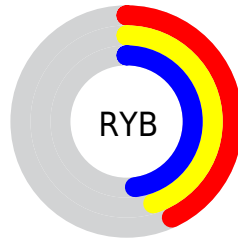
Distribution



Red (43%)

Green (47%)

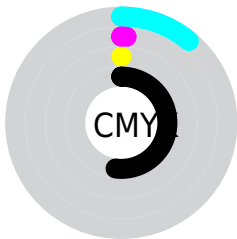
Blue (48%)



Red (43%)

Yellow (45%)

Blue (48%)

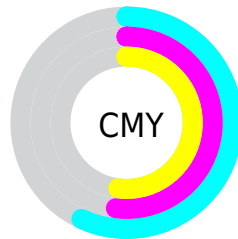


Cyan (11%)

Magenta (1%)

Yellow (0%)

Black (52%)



Cyan (57%)

Magenta (52%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 4.708, 206.140 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, 4.708, 206.140 by changing the saturation by 10% instead.

■ 50, 4.708, 206.140

■ 50, 4.708, 206.140

■ 100, 4.708,
206.140

■ 40, 4.708, 206.140

■ 70, 4.708, 206.140

■ 30, 4.708, 206.140

■ 80, 4.708, 206.140

■ 20, 4.708, 206.140

■ 90, 4.708, 206.140

■ 10, 4.708, 206.140

■ 0, 4.708, 206.140

■ 50, 4.708, 206.140

■ 50, 4.708, 206.140

■ 49, 8.880, 205.904

■ 51, 0.288, 207.639

■ 48, 12.739,
205.794

■ 53, 4.323, 26.508

■ 54, 9.074, 26.901

47, 16.216,
205.795

55, 13.923, 27.291

46, 19.247,
205.925

57, 18.835, 27.696

45, 21.771,
206.204

59, 23.781, 28.111

45, 23.746,
206.659

62, 33.696, 28.956

44, 25.151,
207.312

64, 38.633, 29.377

43, 26.001,
208.187

43, 26.505,
209.124

Harmonies

Complementary

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



50, 4.708, 206.140



48, 5.029, 26.606

Rectangle

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



50, 4.708, 206.140



50, 4.708, 256.140



50, 4.708, 26.140



50, 4.708, 76.140

Sweetspot

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



50, 4.709, 206.125



65, 1.669, 206.507



50, 8.881, 145.690



33, 1.256, 206.436



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



50, 4.709, 206.125



63, 7.052, 206.053



48, 4.825, 263.689



25, 2.505, 206.174



44, 26.918, 209.156



85, 45.135, 209.917

Inverse Universe

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



48, 8.835, 327.136



60, 13.344, 327.287



49, 4.892, 80.948



24, 4.678, 327.046



28, 64.276, 331.427



59, 107.861, 331.614

Previews

White Background



This preview shows how the CIELCh color 50, 4.708, 206.140 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 CIE LCh color 50, 4.708, 206.140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

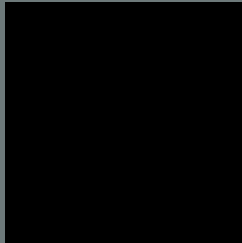
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

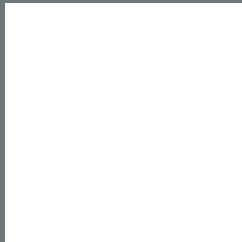
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 4.708, 206.140

Background



This preview shows how black text looks on a background with the CIELCh color 50, 4.708, 206.140.



This preview shows how white text looks on a background with the CIELCh color 50, 4.708, 206.140.

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

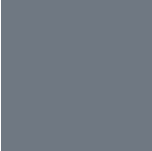
50, 4.708, 206.140

Protanopia

50, 1.432, 324.405

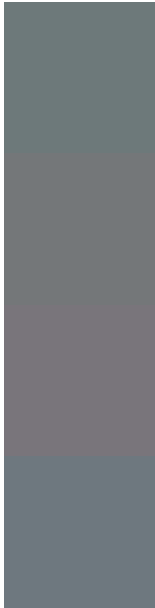
Deuteranopia

50, 7.043, 338.611



Tritanopia
50, 6.709, 260.184

Trichromacy



Original Color

50, 4.708, 206.140

Protanomaly

50, 1.659, 244.494

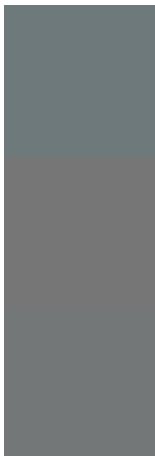
Deuteranomaly

50, 3.881, 314.830

Tritanomaly

50, 5.551, 246.886

Monochromacy



Original Color

50, 4.708, 206.140

Achromatopsia

50, 0.007, 296.813

Achromatomaly

50, 1.686, 219.796

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 4.708, 206.140 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(109, 121, 122)` looks like.

```
.text, #text, p{  
    color:rgb(109, 121, 122)  
}
```

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(109, 121, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 121, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 4.708, 206.140 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(109, 121, 122) }
```

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

```
.border{ border-color:rgb(109, 121, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 121, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 121, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 121, 122);  
box-shadow:4px 4px 4px 4px rgb(109, 121,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 4.708, 206.140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 121, 122) }
```

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

```
.background{ background-color: rgb(109,  
121, 122) }
```

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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