

Converting Colors

CIELCh(50, 4.637, 208.515)

Have a look what the booklet for
CIELCh(50, 4.637, 208.515) contains.

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Color

CIELCh(50, 4.787, 213.181)

Conversions

Conversions Part 1

Format	Color
Hex	6D797B
RGB	109, 121, 123
RGB Percent	43%, 47%, 48%
CMY	0.5718, 0.5247, 0.5169
CMYK	0.11, 0.02, 0.00, 0.52
HSL	189°, 6%, 46%
HSV	189°, 11%, 48%
XYZ	16.7771, 18.4187, 21.4721
YIQ	117.6400, -7.7940, -1.9220

Conversions

Conversions Part 2

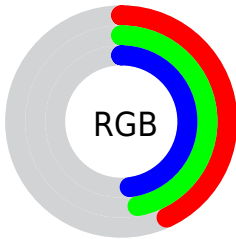
Format	Color
R_{YB}	109, 115, 123
Decimal	7174523
CIE Lab	50.00, -4.01, -2.62
CIE LCh	50, 4.787, 213.181
Yxy	18.4187, 0.2961, 0.3250
Android (android.graphics.Color)	4285364603 (0xFF6D797B)
YUV	117.6400, 2.6425, -7.5773
Hunter-Lab	42.9170, -5.3254, 0.3781

Details

The CIELCh color **50, 4.787, 213.181** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **48, 5.137, 33.079**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 4.524, 213.191**, and **30, 5.056, 205.997** is the 20% darker color. If you saturate the color by 10%, you get **49, 8.746, 213.265**, and if you desaturate by 10%, it is **51, 0.590, 213.712**.

Distribution



Red (43%)

Green (47%)

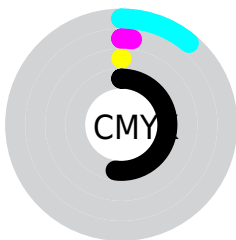
Blue (48%)



Red (43%)

Yellow (45%)

Blue (48%)

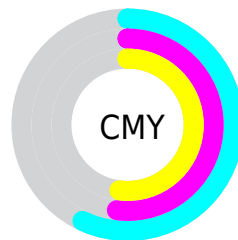


Cyan (11%)

Magenta (2%)

Yellow (0%)

Black (52%)



Cyan (57%)

Magenta (52%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 4.787, 213.181 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, 4.787, 213.181 by changing the saturation by 10% instead.

■ 50, 4.787, 213.181

■ 50, 4.787, 213.181

■ 100, 4.787,
213.181

■ 40, 4.787, 213.181

■ 70, 4.787, 213.181

■ 30, 4.787, 213.181

■ 80, 4.787, 213.181

■ 20, 4.787, 213.181

■ 90, 4.787, 213.181

■ 10, 4.787, 213.181

■ 0, 4.787, 213.181

■ 50, 4.787, 213.181

■ 50, 4.787, 213.181

■ 49, 8.746, 213.265

■ 51, 0.590, 213.712

■ 47, 12.407,
213.521

■ 53, 3.793, 33.006

■ 55, 8.315, 33.178

46, 15.707,
213.950

56, 12.939, 33.360

45, 18.582,
214.588

58, 17.631, 33.569

44, 20.978,
215.479

60, 22.367, 33.802

43, 22.853,
216.673

62, 27.125, 34.050

64, 31.890, 34.310

65, 36.650, 34.576

42, 24.192,
218.225

41, 25.013,
220.187

41, 25.512,
222.056

Harmonies

Complementary

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



50, 4.787, 213.181



48, 5.137, 33.079

Rectangle

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



50, 4.787, 213.181



50, 4.787, 263.181



50, 4.787, 33.181



50, 4.787, 83.181

Sweetspot

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



50, 4.787, 213.166



66, 1.602, 213.347



50, 9.117, 147.643



34, 1.222, 213.292



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, 4.787, 213.166



64, 7.269, 213.178



48, 5.557, 269.856



25, 2.374, 213.171



41, 25.772, 222.098



80, 43.295, 223.686

Inverse Universe

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



48, 9.077, 329.231



60, 13.914, 329.408



50, 5.586, 86.966



24, 4.468, 329.093



28, 61.153, 334.617



58, 102.354, 335.016

Previews

White Background



This preview shows how the CIELCh color 50, 4.787, 213.181 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, 4.787, 213.181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

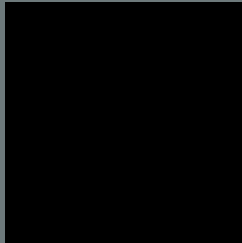
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

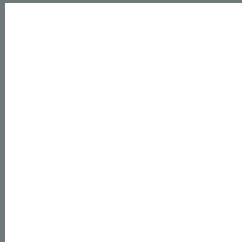
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 4.787, 213.181

Background



This preview shows how black text looks on a background with the CIELCh color 50, 4.787, 213.181.



This preview shows how white text looks on a background with the CIELCh color 50, 4.787, 213.181.

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

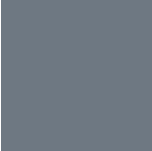
50, 4.787, 213.181

Protanopia

50, 1.944, 314.706

Deuteranopia

50, 7.439, 335.237



Tritanopia
50, 6.898, 257.473

Trichromacy



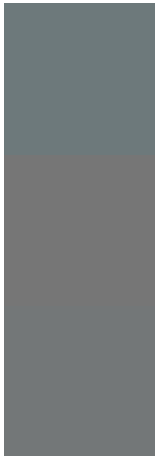
Original Color
50, 4.787, 213.181

Protanomaly
50, 2.105, 256.126

Deuteranomaly
50, 4.421, 311.727

Tritanomaly
50, 5.976, 250.929

Monochromacy



Original Color
50, 4.787, 213.181

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, 4.787, 213.181 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, 123)` looks like.

```
.text, #text, p{  
    color:rgb(109, 121, 123)  
}
```

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, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 121, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 4.787, 213.181 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, 123) }
```

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

```
.border{ border-color:rgb(109, 121, 123) }
```

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, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 121, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 121, 123);  
box-shadow:4px 4px 4px 4px rgb(109, 121,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 4.787, 213.181 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, 123) }
```

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

```
.background{ background-color: rgb(109,  
121, 123) }
```

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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