

Converting Colors

CIELCh(52, 4.765, 213.302)

Have a look what the booklet for
CIELCh(52, 4.765, 213.302) contains.

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Color

CIELCh(52, 4.758, 213.181)

Conversions

Conversions Part 1

Format	Color
Hex	727E80
RGB	114, 126, 128
RGB Percent	45%, 49%, 50%
CMY	0.5520, 0.5049, 0.4971
CMYK	0.11, 0.02, 0.00, 0.50
HSL	189°, 6%, 48%
HSV	189°, 11%, 50%
XYZ	18.3767, 20.1443, 23.4279
YIQ	122.6400, -7.7940, -1.9220

Conversions

Conversions Part 2

Format	Color
R_{YB}	114, 120, 128
Decimal	7503488
CIE Lab	52.00, -3.98, -2.60
CIE LCh	52, 4.758, 213.181
Yxy	20.1443, 0.2966, 0.3252
Android (android.graphics.Color)	4285693568 (0xFF727E80)
YUV	122.6400, 2.6425, -7.5773
Hunter-Lab	44.8824, -5.4589, 0.4693

Details

The CIELCh color **52, 4.758, 213.181** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **50, 5.092, 33.070**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 4.848, 212.134**, and **32, 4.713, 214.475** is the 20% darker color. If you saturate the color by 10%, you get **51, 8.861, 213.258**, and if you desaturate by 10%, it is **54, 0.411, 214.026**.

Distribution



Red (45%)

Green (49%)

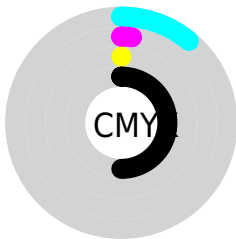
Blue (50%)



Red (45%)

Yellow (47%)

Blue (50%)

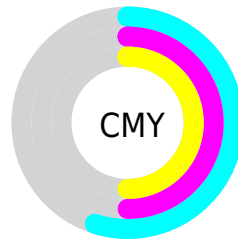


Cyan (11%)

Magenta (2%)

Yellow (0%)

Black (50%)



Cyan (55%)

Magenta (50%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 4.758, 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 52, 4.758, 213.181 by changing the saturation by 10% instead.

■ 52, 4.758, 213.181

■ 52, 4.758, 213.181

■ 100, 4.758,
213.181

■ 42, 4.758, 213.181

■ 72, 4.758, 213.181

■ 32, 4.758, 213.181

■ 82, 4.758, 213.181

■ 22, 4.758, 213.181

■ 92, 4.758, 213.181

■ 12, 4.758, 213.181

■ 2, 4.758, 213.181

■ 0, 4.758, 213.181

■ 52, 4.758, 213.181

■ 52, 4.758, 213.181

■ 51, 8.861, 213.258

■ 54, 0.411, 214.026

■ 49, 12.656,

■ 55, 4.127, 33.015

213.510

57, 8.807, 33.186

48, 16.078,
213.935

59, 13.590, 33.371

47, 19.063,
214.569

60, 18.443, 33.582

46, 21.550,
215.458

62, 23.340, 33.817

45, 23.498,
216.651

64, 28.259, 34.067

44, 24.890,
218.203

66, 33.184, 34.329

43, 25.743,
220.169

68, 38.103, 34.596

42, 26.258,
222.174

Harmonies

Complementary

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



52, 4.758, 213.181



50, 5.092, 33.070

Rectangle

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



52, 4.758, 213.181



52, 4.758, 263.181



52, 4.758, 33.181



52, 4.758, 83.181

Sweetspot

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



52, 4.758, 213.165



67, 1.643, 213.346



52, 9.050, 147.671



35, 1.253, 213.290



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



52, 4.758, 213.165



66, 6.943, 213.171



50, 5.516, 269.802



26, 2.456, 213.170



42, 26.147, 222.157



0, 0.000, 0.000

Inverse Universe

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



50, 9.011, 329.207



62, 13.248, 329.349



52, 5.543, 87.014



25, 4.624, 329.097



29, 62.036, 334.631



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 52, 4.758, 213.181 looks on a white background.

Color Contrast Check

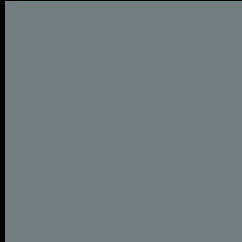
Large Text (above 18pt) WCAG AA ✓ Pass

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 52, 4.758, 213.181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

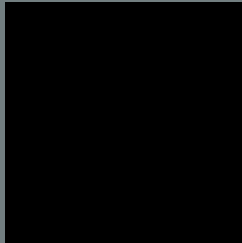
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

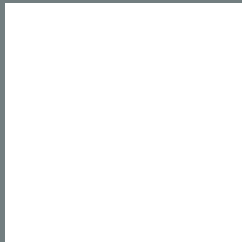
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 52, 4.758, 213.181

Background



This preview shows how black text looks on a background with the CIELCh color 52, 4.758, 213.181.



This preview shows how white text looks on a background with the CIELCh color 52, 4.758, 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

52, 4.758, 213.181

Protanopia

52, 1.930, 314.700

Deuteranopia

52, 7.386, 335.212



Tritanopia
52, 6.853, 257.399

Trichromacy



Original Color
52, 4.758, 213.181

Protanomaly
52, 2.091, 256.109

Deuteranomaly
52, 4.388, 311.719

Tritanomaly
52, 5.938, 250.866

Monochromacy



Original Color
52, 4.758, 213.181

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 1.675, 219.800

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 4.758, 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(114, 126, 128)` looks like.

```
.text, #text, p{  
    color:rgb(114, 126, 128)  
}
```

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(114, 126, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 126, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 4.758, 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(114, 126, 128) }
```

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

```
.border{ border-color:rgb(114, 126, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 126, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 126, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 126, 128); box-shadow:4px 4px 4px 4px rgb(114, 126, 128) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 4.758, 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(114, 126, 128) }
```

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

```
.background{ background-color: rgb(114,  
126, 128) }
```

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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