

Converting Colors

CIELCh(50, 13.905, 212.816)

Have a look what the booklet for
CIELCh(50, 13.905, 212.816)
contains.

CIELCh(50, 13.905, 212.816)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(50, 13.905, 212.816)

Conversions

Conversions Part 1

Format	Color
Hex	577D83
RGB	87, 125, 131
RGB Percent	34%, 49%, 51%
CMY	0.6578, 0.5088, 0.4852
CMYK	0.34, 0.05, 0.00, 0.49
HSL	188°, 20%, 43%
HSV	188°, 34%, 51%
XYZ	15.4364, 18.4187, 24.3087
YIQ	114.3220, -24.5740, -6.1900

Conversions

Conversions Part 2

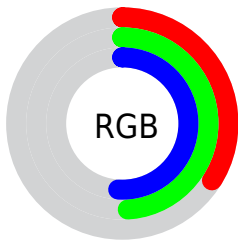
Format	Color
R_{YB}	87, 107, 131
Decimal	5733763
CIE _{Lab}	50.00, -11.69, -7.54
CIE _{LCh}	50, 13.905, 212.816
Y _{xy}	18.4187, 0.2654, 0.3167
Android (android.graphics.Color)	4283923843 (0xFF577D83)
YUV	114.3220, 8.2223, -23.9614
Hunter-Lab	42.9170, -10.9017, -3.5407

Details

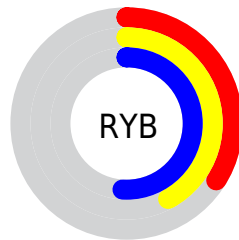
The CIELCh color **50, 13.905, 212.816** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **43, 17.537, 33.215**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 14.122, 211.896**, and **30, 13.959, 213.689** is the 20% darker color. If you saturate the color by 10%, you get **49, 17.292, 213.246**, and if you desaturate by 10%, it is **51, 10.116, 212.554**.

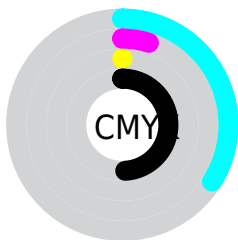
Distribution



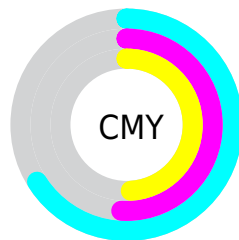
- Red (34%)
- Green (49%)
- Blue (51%)



- Red (34%)
- Yellow (42%)
- Blue (51%)



- Cyan (34%)
- Magenta (5%)
- Yellow (0%)
- Black (49%)



- Cyan (66%)
- Magenta (51%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 13.905, 212.816 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, 13.905, 212.816 by changing the saturation by 10% instead.

■ 50, 13.905,
212.816

■ 50, 13.905,
212.816

■ 100, 13.905,
212.816

■ 40, 13.905,
212.816

■ 70, 13.905,
212.816

■ 30, 13.905,
212.816

■ 80, 13.905,
212.816

■ 20, 13.905,
212.816

■ 90, 13.905,
212.816

■ 10, 13.905,
212.816

■ 0, 13.905, 212.816

■ 50, 13.905,
212.816

■ 50, 13.905,
212.816

49, 17.292,
213.246

51, 10.116,
212.554

48, 20.210,
213.893

53, 5.993, 212.451

47, 22.602,
214.797

54, 1.601, 212.614

56, 3.000, 32.288

46, 24.431,
216.009

58, 7.760, 32.500

45, 25.687,
217.581

59, 12.635, 32.700

61, 17.589, 32.925

44, 26.405,
219.558

63, 22.594, 33.174

44, 26.757,
220.923

65, 27.626, 33.439

Harmonies

Complementary

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



50, 13.905, 212.816



43, 17.537, 33.215

Rectangle

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



50, 13.905, 212.816



50, 13.905, 262.816



50, 13.905, 32.816



50, 13.905, 82.816

Sweetspot

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



50, 13.905, 212.812



68, 5.544, 212.454



51, 28.400, 145.891



36, 3.800, 212.450



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



50, 13.905, 212.812



63, 19.948, 213.114



43, 17.465, 273.537



27, 2.549, 212.460



43, 26.579, 220.898



0, 0.625, 212.391

Inverse Universe

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



43, 28.383, 330.348



53, 41.752, 330.790



49, 17.840, 84.146



26, 4.799, 328.894



29, 63.217, 334.316



0, 1.143, 328.400

Previews

White Background



This preview shows how the CIELCh color 50, 13.905, 212.816 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, 13.905, 212.816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

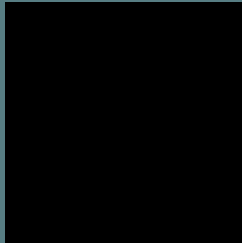
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 13.905, 212.816

Background



This preview shows how black text looks on a background with the CIELCh color 50, 13.905, 212.816.



This preview shows how white text looks on a background with the CIELCh color 50, 13.905, 212.816.

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, 13.905, 212.816

Protanopia

50, 5.273, 290.871

Deuteranopia

50, 11.049, 307.731



Tritanopia
50, 14.102, 222.885

Trichromacy



Original Color
50, 13.905, 212.816

Protanomaly
50, 6.982, 241.265

Deuteranomaly
50, 8.257, 266.872

Tritanomaly
50, 13.942, 220.527

Monochromacy



Original Color
50, 13.905, 212.816

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 5.535, 211.183

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 13.905, 212.816 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(87, 125, 131)` looks like.

```
.text, #text, p{  
    color:rgb(87, 125, 131)  
}
```

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(87, 125, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 125, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 13.905, 212.816 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(87, 125, 131) }
```

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

```
.border{ border-color:rgb(87, 125, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 125, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 125, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 125, 131);  
box-shadow:4px 4px 4px 4px rgb(87, 125,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 13.905, 212.816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 125, 131) }
```

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

```
.background{ background-color: rgb(87, 125,  
131) }
```

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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