

Converting Colors

CIELCh(50, 16.573, 210.739)

Have a look what the booklet for
CIELCh(50, 16.573, 210.739)
contains.

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Color

CIELCh(50, 16.599, 212.241)

Conversions

Conversions Part 1

Format	Color
Hex	4F7E85
RGB	79, 126, 133
RGB Percent	31%, 49%, 52%
CMY	0.6885, 0.5042, 0.4767
CMYK	0.40, 0.05, 0.00, 0.48
HSL	188°, 25%, 42%
HSV	188°, 40%, 52%
XYZ	15.0403, 18.4187, 25.1105
YIQ	112.7450, -30.2590, -7.7870

Conversions

Conversions Part 2

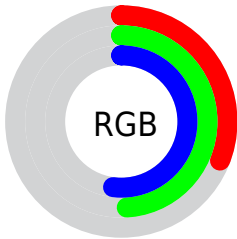
Format	Color
R_{YB}	79, 104, 133
Decimal	5209733
CIE _{Lab}	50.00, -14.04, -8.86
CIE _{LCh}	50, 16.599, 212.241
Yxy	18.4187, 0.2568, 0.3145
Android (android.graphics.Color)	4283399813 (0xFF4F7E85)
YUV	112.7450, 9.9857, -29.5944
Hunter-Lab	42.9170, -12.5492, -4.6484

Details

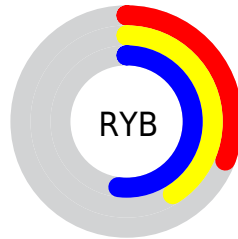
The CIELCh color **50, 16.599, 212.241** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **42, 22.168, 33.069**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 16.607, 211.616**, and **30, 16.576, 213.091** is the 20% darker color. If you saturate the color by 10%, you get **49, 19.716, 212.765**, and if you desaturate by 10%, it is **51, 13.022, 211.904**.

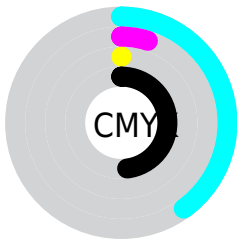
Distribution



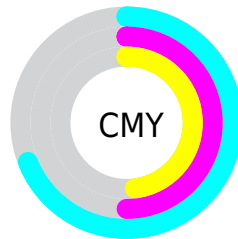
- Red (31%)
- Green (49%)
- Blue (52%)



- Red (31%)
- Yellow (41%)
- Blue (52%)



- Cyan (40%)
- Magenta (5%)
- Yellow (0%)
- Black (48%)





- Cyan (69%)
- Magenta (50%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 16.599, 212.241 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, 16.599, 212.241 by changing the saturation by 10% instead.


 50, 16.599,
212.241


 50, 16.599,
212.241


 100, 16.599,
212.241


 40, 16.599,
212.241


 70, 16.599,
212.241

 30, 16.599,
212.241


 80, 16.599,
212.241


 20, 16.599,
212.241

 90, 16.599,
212.241

 10, 16.599,
212.241

 0, 16.599, 212.241

 50, 16.599,
212.241

 50, 16.599,
212.241

49, 19.716,
212.765

51, 13.022,
211.904

48, 22.311,
213.526

53, 9.054, 211.732

47, 24.338,
214.567

54, 4.765, 211.710

56, 0.220, 213.529

46, 25.778,
215.936

57, 4.522, 31.679

45, 26.648,
217.683

59, 9.411, 31.897

61, 14.406, 32.126

45, 27.150,
219.591

63, 19.471, 32.380

64, 24.579, 32.654

Harmonies

Complementary

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



50, 16.599, 212.241



42, 22.168, 33.069

Rectangle

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



50, 16.599, 212.241



50, 16.599, 262.241



50, 16.599, 32.241



50, 16.599, 82.241

Sweetspot

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



50, 16.599, 212.238



69, 6.732, 211.701



51, 35.018, 144.714



35, 4.434, 211.699



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, 16.599, 212.238



63, 23.756, 212.742



42, 20.999, 273.584



27, 2.562, 211.722



43, 26.654, 219.525



0, 0.628, 211.680

Inverse Universe

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



42, 34.691, 330.537



50, 51.266, 331.105



49, 21.738, 81.750



26, 4.822, 328.679



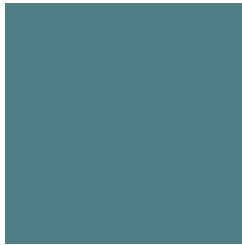
29, 63.537, 333.975



0, 1.148, 328.187

Previews

White Background



This preview shows how the CIE LCh color 50, 16.599, 212.241 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 CIELCh color 50, 16.599, 212.241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

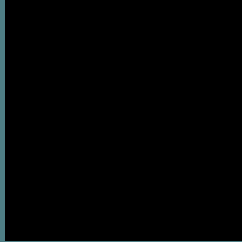
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 16.599, 212.241

Background



This preview shows how black text looks on a background with the CIELCh color 50, 16.599, 212.241.



This preview shows how white text looks on a background with the CIELCh color 50, 16.599, 212.241.

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, 16.599, 212.241

Protanopia

50, 5.858, 290.945

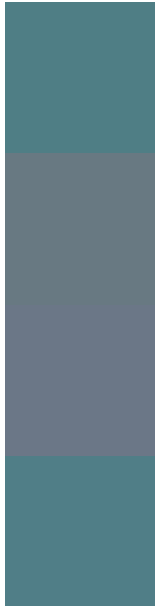
Deuteranopia

50, 12.654, 303.912



Tritanopia
50, 16.589, 218.754

Trichromacy



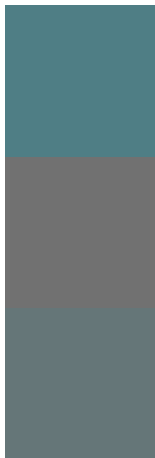
Original Color
50, 16.599, 212.241

Protanomaly
50, 8.153, 239.345

Deuteranomaly
50, 10.259, 265.683

Tritanomaly
50, 16.478, 216.698

Monochromacy



Original Color
50, 16.599, 212.241

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 6.640, 209.006

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 16.599, 212.241 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(79, 126, 133)` looks like.

```
.text, #text, p{  
    color:rgb(79, 126, 133)  
}
```

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(79, 126, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 126, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 16.599, 212.241 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(79, 126, 133) }
```

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

```
.border{ border-color:rgb(79, 126, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 126, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 126, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 126, 133);  
box-shadow:4px 4px 4px 4px rgb(79, 126,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 16.599, 212.241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 126, 133) }
```

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

```
.background{ background-color: rgb(79, 126,  
133) }
```

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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