

Converting Colors

CIELCh(50, 12.397, 214.426)

Have a look what the booklet for
CIELCh(50, 12.397, 214.426)
contains.

CIELCh(50, 12.589, 211.717)	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, 12.589, 211.717)

Conversions

Conversions Part 1

Format	Color
Hex	5B7D82
RGB	91, 125, 130
RGB Percent	36%, 49%, 51%
CMY	0.6441, 0.5108, 0.4912
CMYK	0.30, 0.04, 0.00, 0.49
HSL	188°, 18%, 43%
HSV	188°, 30%, 51%
XYZ	15.6029, 18.4187, 23.7615
YIQ	115.4040, -21.8690, -5.6530

Conversions

Conversions Part 2

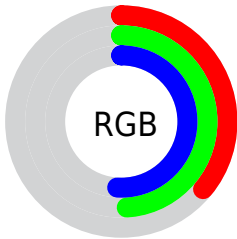
Format	Color
R_{YB}	91, 109, 130
Decimal	5995906
CIE _{Lab}	50.00, -10.71, -6.62
CIE _{LCh}	50, 12.589, 211.717
Yxy	18.4187, 0.2700, 0.3188
Android (android.graphics.Color)	4284185986 (0xFF5B7D82)
YUV	115.4040, 7.1958, -21.4023
Hunter-Lab	42.9170, -10.2093, -2.7847

Details

The CIELCh color **50, 12.589, 211.717** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **44, 15.450, 32.286**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 12.796, 210.870**, and **30, 12.518, 212.661** is the 20% darker color. If you saturate the color by 10%, you get **49, 16.110, 212.027**, and if you desaturate by 10%, it is **51, 8.690, 211.556**.

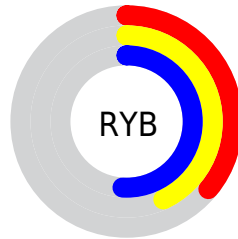
Distribution



Red (36%)

Green (49%)

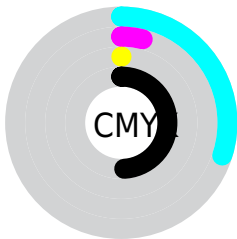
Blue (51%)



Red (36%)

Yellow (43%)

Blue (51%)

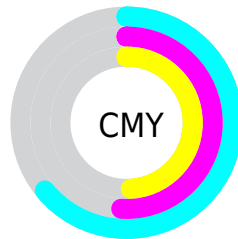


Cyan (30%)

Magenta (4%)

Yellow (0%)

Black (49%)



Cyan (64%)

Magenta (51%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 12.589, 211.717 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, 12.589, 211.717 by changing the saturation by 10% instead.

■ 50, 12.589,
211.717

■ 50, 12.589,
211.717

■ 100, 12.589,
211.717

■ 40, 12.589,
211.717

■ 70, 12.589,
211.717

■ 30, 12.589,
211.717

■ 80, 12.589,
211.717

■ 20, 12.589,
211.717

■ 90, 12.589,
211.717

■ 10, 12.589,
211.717

■ 0, 12.589, 211.717

■ 50, 12.589,
211.717

■ 50, 12.589,
211.717

49, 16.110,
212.027

51, 8.690, 211.556

48, 19.185,
212.530

53, 4.481, 211.549

54, 0.026, 227.046

47, 21.753,
213.260

56, 4.621, 31.537

46, 23.768,
214.263

57, 9.409, 31.758

59, 14.299, 31.993

45, 25.210,
215.587

61, 19.256, 32.251

44, 26.094,
217.279

63, 24.254, 32.529

65, 29.271, 32.821

43, 26.627,
219.215

Harmonies

Complementary

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



50, 12.589, 211.717



44, 15.450, 32.286

Rectangle

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



50, 12.589, 211.717



50, 12.589, 261.717



50, 12.589, 31.717



50, 12.589, 81.717

Sweetspot

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



50, 12.589, 211.712



67, 4.973, 211.558



51, 25.547, 145.698



35, 3.429, 211.546



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



50, 12.589, 211.712



63, 18.161, 211.906



44, 15.174, 271.446



26, 2.482, 211.559



43, 26.297, 219.170



0, 0.000, 0.000

Inverse Universe

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



44, 25.383, 329.865



54, 37.473, 330.265



49, 15.569, 83.142



25, 4.671, 328.628



29, 62.718, 333.887



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 12.589, 211.717 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 50, 12.589, 211.717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

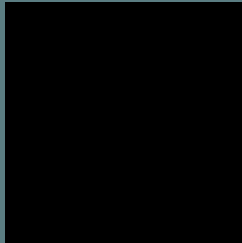
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 12.589, 211.717

Background



This preview shows how black text looks on a background with the CIELCh color 50, 12.589, 211.717.



This preview shows how white text looks on a background with the CIELCh color 50, 12.589, 211.717.

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, 12.589, 211.717

Protanopia
50, 4.709, 295.573

Deuteranopia
50, 10.613, 310.628



Tritanopia
50, 12.682, 226.023

Trichromacy



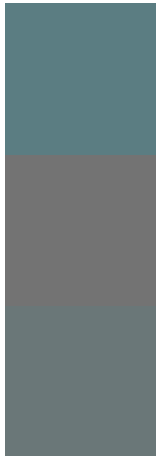
Original Color
50, 12.589, 211.717

Protanomaly
50, 5.809, 244.135

Deuteranomaly
50, 7.454, 270.160

Tritanomaly
50, 12.315, 220.811

Monochromacy



Original Color
50, 12.589, 211.717

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 5.098, 205.558

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 12.589, 211.717 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(91, 125, 130)` looks like.

```
.text, #text, p{  
    color:rgb(91, 125, 130)  
}
```

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(91, 125, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 125, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 12.589, 211.717 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(91, 125, 130) }
```

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

```
.border{ border-color:rgb(91, 125, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 125, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 125, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 125, 130);  
box-shadow:4px 4px 4px 4px rgb(91, 125,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 12.589, 211.717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 125, 130) }
```

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

```
.background{ background-color: rgb(91, 125,  
130) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor