

# Converting Colors

CIELCh(50, 4.707, 311.027)

Have a look what the booklet for  
CIELCh(50, 4.707, 311.027) contains.

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# Color

**CIELCh(50, 5.114, 313.543)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7A757D
RGB	122, 117, 125
RGB Percent	48%, 46%, 49%
CMY	0.5206, 0.5402, 0.5089
CMYK	0.02, 0.06, 0.00, 0.51
HSL	277°, 3%, 48%
HSV	277°, 6%, 49%
XYZ	18.1649, 18.4187, 22.0792
YIQ	119.4070, 0.4120, 3.5480

# Conversions

## Conversions Part 2

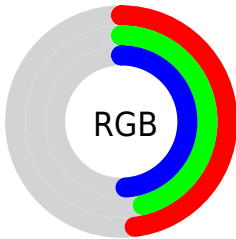
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	122, 117, 125
Decimal	8025469
CIE <sub>Lab</sub>	50.00, 3.52, -3.71
CIE <sub>LCh</sub>	50, 5.114, 313.543
Yxy	18.4187, 0.3096, 0.3140
Android (android.graphics.Color)	4286215549 (0xFF7A757D)
YUV	119.4070, 2.7573, 2.2741
Hunter-Lab	42.9170, 0.4465, -0.4607

# Details

The CIELCh color **50, 5.114, 313.543** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **52, 5.072, 133.078**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 5.299, 311.172**, and **30, 4.832, 311.859** is the 20% darker color. If you saturate the color by 10%, you get **46, 13.261, 313.967**, and if you desaturate by 10%, it is **54, 2.842, 133.213**.

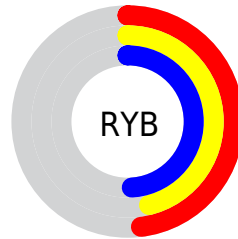
# Distribution



Red (48%)

Green (46%)

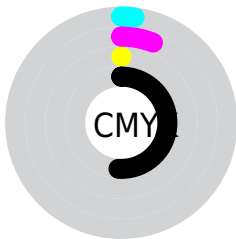
Blue (49%)



Red (48%)

Yellow (46%)

Blue (49%)

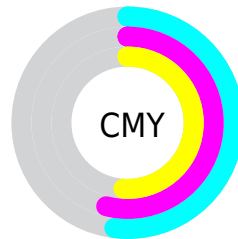


Cyan (2%)

Magenta (6%)

Yellow (0%)

Black (51%)



Cyan (52%)

Magenta (54%)

Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 5.114, 313.543 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, 5.114, 313.543 by changing the saturation by 10% instead.



■ 50, 5.114, 313.543

■ 50, 5.114, 313.543

■ 100, 5.114,  
313.543

■ 40, 5.114, 313.543

■ 70, 5.114, 313.543

■ 30, 5.114, 313.543

■ 80, 5.114, 313.543

■ 20, 5.114, 313.543

■ 90, 5.114, 313.543

■ 10, 5.114, 313.543

■ 0, 5.114, 313.543

■ 50, 5.114, 313.543

■ 50, 5.114, 313.543

■ 46, 13.261,  
313.967

■ 54, 2.842, 133.213

■ 42, 21.562,  
314.401

■ 58, 10.585,  
132.826

39, 29.947,  
314.837

62, 18.108,  
132.495

35, 38.295,  
315.255

66, 25.414,  
132.198

31, 46.419,  
315.624

70, 32.508,  
131.932

28, 54.041,  
315.898

73, 39.398,  
131.696

25, 60.785,  
316.018

77, 46.095,  
131.486

23, 66.214,  
315.911

81, 52.607,  
131.301

21, 70.162,  
315.561

85, 58.946,  
131.139

# Harmonies

# Complementary

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



50, 5.114, 313.543



52, 5.072, 133.078

# Rectangle

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



50, 5.114, 313.543



50, 5.114, 3.543



50, 5.114, 133.543



50, 5.114, 183.543

# Sweetspot

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



50, 5.112, 313.540



66, 1.982, 313.321



50, 3.106, 267.773



34, 1.121, 313.310



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, 5.112, 313.540



63, 7.965, 313.618



50, 5.251, 328.101



25, 4.590, 313.657



21, 72.520, 315.437



0, 0.000, 0.000





# Inverse Universe

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



50, 3.693, 351.442



63, 5.759, 351.624



52, 5.237, 147.454



25, 3.321, 351.716



26, 50.785, 12.226



0, 0.000, 0.000



# Previews

## White Background



This preview shows how the CIELCh color 50, 5.114, 313.543 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, 5.114, 313.543 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

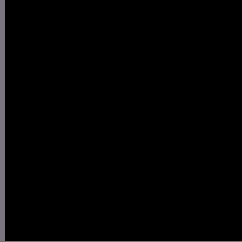
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

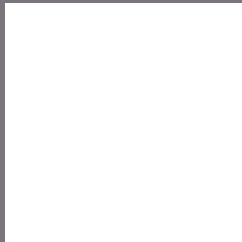
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 50, 5.114, 313.543

## Background



This preview shows how black text looks on a background with the CIELCh color 50, 5.114, 313.543.



This preview shows how white text looks on a background with the CIELCh color 50, 5.114, 313.543.

# 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, 5.114, 313.543

### Protanopia

50, 4.709, 295.573

### Deuteranopia

50, 8.055, 327.265



**Tritanopia**  
50, 5.657, 311.258



# Trichromacy



## Original Color

50, 5.114, 313.543

## Protanomaly

50, 4.763, 300.291

## Deuteranomaly

50, 6.895, 322.059

## Tritanomaly

50, 5.657, 311.258

# Monochromacy



## Original Color

50, 5.114, 313.543

## Achromatopsia

50, 0.007, 296.813

## Achromatomaly

50, 1.941, 314.704

# CSS Examples

## Text

The CSS property to change the color of the text to CIElCh 50, 5.114, 313.543 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(122, 117, 125)` looks like.

```
.text, #text, p{  
    color:rgb(122, 117, 125)  
}
```

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(122, 117, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 117, 125) }
```

## Border

The CSS property to change the border of an element to CIELCh 50, 5.114, 313.543 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(122, 117, 125) }
```

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

```
.border{ border-color:rgb(122, 117, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 117, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 117, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 117, 125);  
box-shadow:4px 4px 4px 4px rgb(122, 117,  
125) }
```

# Background

The CSS property to change the background color of an element to CIELCh 50, 5.114, 313.543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 117, 125) }
```

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

```
.background{ background-color: rgb(122,  
117, 125) }
```

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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