

Converting Colors

CIELCh(50, 3.105, 199.203)

Have a look what the booklet for
CIELCh(50, 3.105, 199.203) contains.

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Color

CIELCh(50, 3.158, 199.179)

Conversions

Conversions Part 1

Format	Color
Hex	717979
RGB	113, 121, 121
RGB Percent	44%, 47%, 47%
CMY	0.5586, 0.5272, 0.5272
CMYK	0.07, 0.00, 0.00, 0.53
HSL	180°, 3%, 46%
HSV	180°, 7%, 47%
XYZ	16.9615, 18.4187, 20.6083
YIQ	118.6080, -4.7680, -1.6960

Conversions

Conversions Part 2

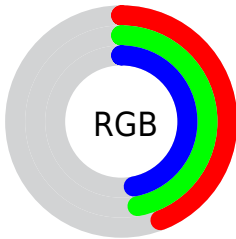
Format	Color
R_{YB}	113, 117, 121
Decimal	7436665
CIE _{Lab}	50.00, -2.98, -1.04
CIE _{LCh}	50, 3.158, 199.179
Yxy	18.4187, 0.3029, 0.3290
Android (android.graphics.Color)	4285626745 (0xFF717979)
YUV	118.6080, 1.1793, -4.9182
Hunter-Lab	42.9170, -4.5586, 1.5714

Details

The CIELCh color **50, 3.158, 199.179** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **48, 3.286, 19.661**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 2.970, 199.320**, and **30, 3.418, 198.951** is the 20% darker color. If you saturate the color by 10%, you get **49, 7.723, 198.588**, and if you desaturate by 10%, it is **51, 1.637, 19.336**.

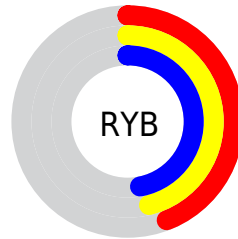
Distribution



Red (44%)

Green (47%)

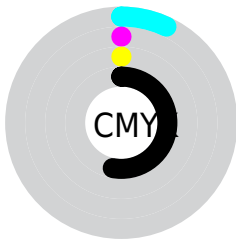
Blue (47%)



Red (44%)

Yellow (46%)

Blue (47%)

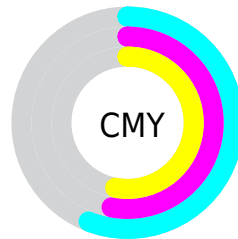


Cyan (7%)

Magenta (0%)

Yellow (0%)

Black (53%)



Cyan (56%)

Magenta (53%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 3.158, 199.179 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, 3.158, 199.179 by changing the saturation by 10% instead.

■ 50, 3.158, 199.179

■ 50, 3.158, 199.179

■ 100, 3.158,
199.179

■ 40, 3.158, 199.179

■ 70, 3.158, 199.179

■ 30, 3.158, 199.179

■ 80, 3.158, 199.179

■ 20, 3.158, 199.179

■ 90, 3.158, 199.179

■ 10, 3.158, 199.179

■ 0, 3.158, 199.179

■ 50, 3.158, 199.179

■ 50, 3.158, 199.179

■ 49, 7.723, 198.588

■ 51, 1.637, 19.336

■ 48, 11.987,
198.112

■ 52, 6.604, 20.068

■ 53, 11.688, 20.669

■ 48, 15.879,
197.692

■ 55, 16.846, 21.268

■ 47, 19.332,
197.327

■ 56, 22.040, 21.871

■ 57, 27.243, 22.474

■ 47, 22.282,
197.020

■ 59, 32.433, 23.074

■ 46, 24.682,
196.773

■ 60, 37.592, 23.668

■ 62, 42.710, 24.253

■ 46, 26.509,
196.587

■ 46, 27.767,
196.459

■ 46, 28.555,
196.377

Harmonies

Complementary

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



50, 3.158, 199.179



48, 3.286, 19.661

Rectangle

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



50, 3.158, 199.179



50, 3.158, 249.179



50, 3.158, 19.179



50, 3.158, 69.179

Sweetspot

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



50, 3.159, 199.158



64, 1.184, 199.664



50, 5.684, 143.675



33, 0.679, 199.703



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



50, 3.159, 199.158



63, 4.676, 199.055



49, 2.774, 254.475



25, 2.700, 199.001



47, 29.550, 196.352



90, 49.743, 196.350

Inverse Universe

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



48, 3.286, 19.661



61, 4.911, 19.783



49, 2.814, 72.745



24, 2.851, 19.851



25, 60.069, 38.165



53, 103.772, 39.994

Previews

White Background



This preview shows how the CIE LCh color 50, 3.158, 199.179 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, 3.158, 199.179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

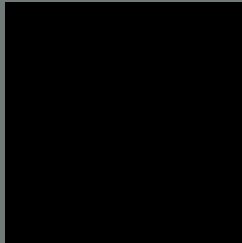
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

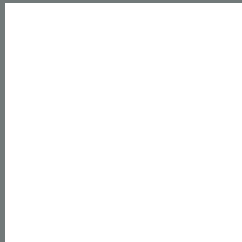
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 3.158, 199.179

Background



This preview shows how black text looks on a background with the CIELCh color 50, 3.158, 199.179.



This preview shows how white text looks on a background with the CIELCh color 50, 3.158, 199.179.

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, 3.158, 199.179

Protanopia

50, 1.352, 353.669

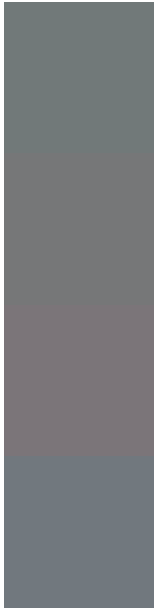
Deuteranopia

50, 7.001, 344.485



Tritanopia
50, 6.123, 272.632

Trichromacy



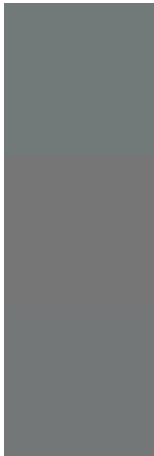
Original Color
50, 3.158, 199.179

Protanomaly
50, 0.708, 255.968

Deuteranomaly
50, 3.381, 335.918

Tritanomaly
50, 4.393, 252.444

Monochromacy



Original Color
50, 3.158, 199.179

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 1.198, 199.587

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 3.158, 199.179 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(113, 121, 121)` looks like.

```
.text, #text, p{  
    color:rgb(113, 121, 121)  
}
```

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(113, 121, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 121, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 3.158, 199.179 is called "border". The border property can be set on classes, ids or directly on the HTML element.

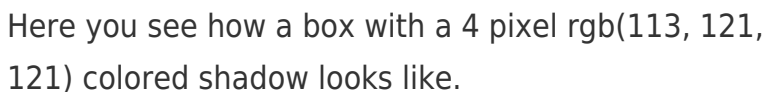
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(113, 121, 121) }
```

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

```
.border{ border-color:rgb(113, 121, 121) }
```

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



Here you see how a box with a 4 pixel `rgb(113, 121, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 121, 121); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 121, 121); box-shadow:4px 4px 4px 4px rgb(113, 121, 121) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 3.158, 199.179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 121, 121) }
```

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

```
.background{ background-color: rgb(113,  
121, 121) }
```

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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