

Converting Colors

CIELCh(51, 7.418, 209.837)

Have a look what the booklet for
CIELCh(51, 7.418, 209.837) contains.

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Color

CIELCh(51, 7.310, 207.919)

Conversions

Conversions Part 1

Format	Color
Hex	6A7D7F
RGB	106, 125, 127
RGB Percent	42%, 49%, 50%
CMY	0.5843, 0.5097, 0.5019
CMYK	0.17, 0.02, 0.00, 0.50
HSL	186°, 9%, 46%
HSV	186°, 17%, 50%
XYZ	17.1127, 19.2686, 22.9009
YIQ	119.5470, -11.9660, -3.4060

Conversions

Conversions Part 2

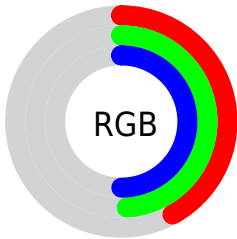
Format	Color
RYB	106, 116, 127
Decimal	6978943
CIELab	51.00, -6.46, -3.42
CIELCh	51, 7.310, 207.919
Yxy	19.2686, 0.2887, 0.3250
Android (android.graphics.Color)	4285169023 (0xFF6A7D7F)
YUV	119.5470, 3.6743, -11.8807
Hunter-Lab	43.8960, -7.2307, -0.2049

Details

The CIELCh color **51, 7.310, 207.919** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **47, 8.126, 28.589**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 7.291, 207.526**, and **31, 7.375, 208.388** is the 20% darker color. If you saturate the color by 10%, you get **50, 11.363, 207.845**, and if you desaturate by 10%, it is **52, 2.966, 208.124**.

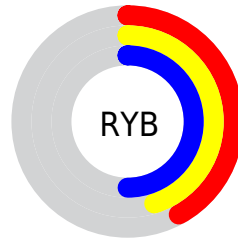
Distribution



Red (42%)

Green (49%)

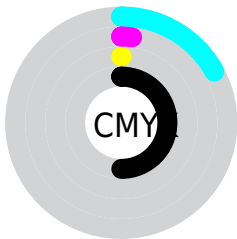
Blue (50%)



Red (42%)

Yellow (45%)

Blue (50%)

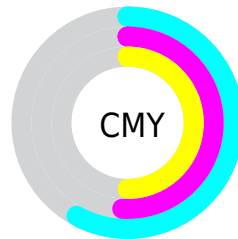


Cyan (17%)

Magenta (2%)

Yellow (0%)

Black (50%)



Cyan (58%)

Magenta (51%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 7.310, 207.919 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 51, 7.310, 207.919 by changing the saturation by 10% instead.

■ 51, 7.310, 207.919

■ 51, 7.310, 207.919

■ 100, 7.310,
207.919

■ 41, 7.310, 207.919

■ 71, 7.310, 207.919

■ 31, 7.310, 207.919

■ 81, 7.310, 207.919

■ 21, 7.310, 207.919

■ 91, 7.310, 207.919

■ 11, 7.310, 207.919

■ 1, 7.310, 207.919

■ 0, 7.310, 207.919

■ 51, 7.310, 207.919

■ 51, 7.310, 207.919

■ 50, 11.363,
207.845

■ 52, 2.966, 208.124

■ 54, 1.607, 27.948

49, 15.056,
207.903

55, 6.354, 28.394

48, 18.320,
208.102

57, 11.226, 28.723

47, 21.091,
208.467

58, 16.184, 29.067

46, 23.315,
209.028

62, 26.238, 29.799

45, 24.963,
209.818

63, 31.287, 30.178

45, 26.032,
210.870

65, 36.330, 30.559

44, 26.613,
212.176

44, 26.792,
212.635

Harmonies

Complementary

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



51, 7.310, 207.919



47, 8.126, 28.589

Rectangle

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



51, 7.310, 207.919



51, 7.310, 257.919



51, 7.310, 27.919



51, 7.310, 77.919

Sweetspot

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



51, 7.310, 207.910



67, 2.831, 208.186



51, 14.122, 145.771



35, 1.944, 208.158



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



51, 7.310, 207.910



65, 10.863, 207.870



48, 7.874, 266.135



26, 2.550, 208.045



44, 26.865, 212.642



0, 0.000, 0.000

Inverse Universe

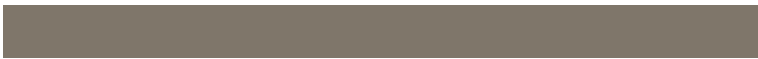
The Inverse Universe completely reimagines the original color for something new.



47, 14.029, 328.028



59, 21.120, 328.252



50, 8.034, 81.819



25, 4.780, 327.601



29, 64.305, 332.281



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 7.310, 207.919 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 51, 7.310, 207.919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

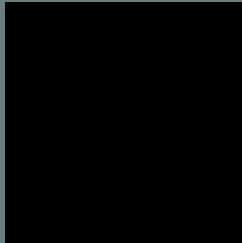
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

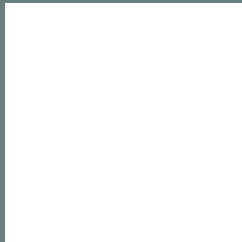
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 7.310, 207.919

Background



This preview shows how black text looks on a background with the CIELCh color 51, 7.310, 207.919.



This preview shows how white text looks on a background with the CIELCh color 51, 7.310, 207.919.

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

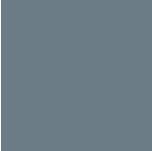
51, 7.310, 207.919

Protanopia

51, 1.804, 303.149

Deuteranopia

51, 8.020, 327.254



Tritanopia
51, 8.482, 242.532

Trichromacy



Original Color
51, 7.310, 207.919

Protanomaly
51, 2.905, 236.410

Deuteranomaly
51, 4.084, 290.711

Tritanomaly
51, 7.498, 231.980

Monochromacy



Original Color
51, 7.310, 207.919

Achromatopsia
50, 0.007, 296.813

Achromatomaly
51, 2.806, 211.264

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 7.310, 207.919 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(106, 125, 127)` looks like.

```
.text, #text, p{  
    color:rgb(106, 125, 127)  
}
```

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(106, 125, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 125, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 7.310, 207.919 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(106, 125, 127) }
```

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

```
.border{ border-color:rgb(106, 125, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 125, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 125, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 125, 127);  
box-shadow:4px 4px 4px 4px rgb(106, 125,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 7.310, 207.919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 125, 127) }
```

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

```
.background{ background-color: rgb(106,  
125, 127) }
```

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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