

Converting Colors

CIELCh(50, 6.318, 309.119)

Have a look what the booklet for
CIELCh(50, 6.318, 309.119) contains.

CIELCh(50, 6.207, 309.390)	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, 6.207, 309.390)

Conversions

Conversions Part 1

Format	Color
Hex	7A757F
RGB	122, 117, 127
RGB Percent	48%, 46%, 50%
CMY	0.5213, 0.5409, 0.5016
CMYK	0.04, 0.08, 0.00, 0.50
HSL	270°, 4%, 48%
HSV	270°, 8%, 50%
XYZ	18.2437, 18.4187, 22.6995
YIQ	119.6350, -0.2300, 4.1700

Conversions

Conversions Part 2

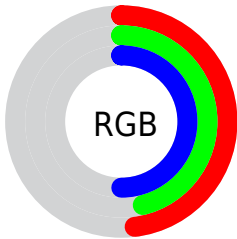
Format	Color
R_{YB}	122, 117, 127
Decimal	8025471
CIE Lab	50.00, 3.94, -4.80
CIE LCh	50, 6.207, 309.390
Yxy	18.4187, 0.3073, 0.3103
Android (android.graphics.Color)	4286215551 (0xFF7A757F)
YUV	119.6350, 3.6309, 2.0741
Hunter-Lab	42.9170, 0.7743, -1.3176

Details

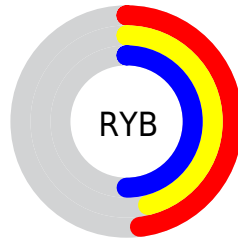
The CIELCh color **50, 6.207, 309.390** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **53, 6.134, 128.748**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 6.335, 307.729**, and **30, 6.044, 307.595** is the 20% darker color. If you saturate the color by 10%, you get **46, 14.282, 309.855**, and if you desaturate by 10%, it is **54, 1.648, 129.031**.

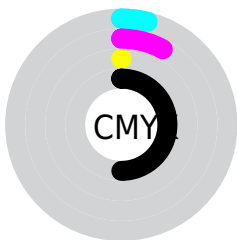
Distribution



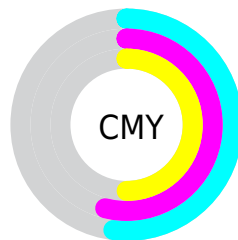
- Red (48%)
- Green (46%)
- Blue (50%)



- Red (48%)
- Yellow (46%)
- Blue (50%)



- Cyan (4%)
- Magenta (8%)
- Yellow (0%)
- Black (50%)



- Cyan (52%)
- Magenta (54%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 6.207, 309.390 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, 6.207, 309.390 by changing the saturation by 10% instead.

■ 50, 6.207, 309.390

■ 50, 6.207, 309.390

■ 100, 6.207,
309.390

■ 40, 6.207, 309.390

■ 70, 6.207, 309.390

■ 30, 6.207, 309.390

■ 80, 6.207, 309.390

■ 20, 6.207, 309.390

■ 90, 6.207, 309.390

■ 10, 6.207, 309.390

■ 0, 6.207, 309.390

■ 50, 6.207, 309.390

■ 50, 6.207, 309.390

■ 46, 14.282,
309.855

■ 54, 1.648, 129.031

■ 42, 22.556,
310.352

■ 58, 9.271, 128.610

■ 62, 16.664,

38, 30.976,
310.871

128.268

34, 39.444,
311.392

66, 23.833,
127.967

30, 47.791,
311.882

70, 30.788,
127.704

27, 55.746,
312.288

74, 37.538,
127.473

24, 62.906,
312.534

78, 44.095,
127.273

21, 68.752,
312.523

82, 50.470,
127.100

19, 73.226,
312.277

86, 56.673,
126.951

Harmonies

Complementary

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



50, 6.207, 309.390



53, 6.134, 128.748

Rectangle

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



50, 6.207, 309.390



50, 6.207, 359.390



50, 6.207, 129.390



50, 6.207, 179.390

Sweetspot

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



50, 6.206, 309.387



67, 1.950, 309.098



51, 3.432, 254.622



35, 1.117, 309.088



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, 6.206, 309.387



63, 8.836, 309.448



50, 7.061, 324.378



25, 4.464, 309.443



18, 74.398, 312.250



0, 0.000, 0.000

Inverse Universe

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



50, 4.996, 344.214



64, 7.113, 344.334



52, 7.047, 143.597



25, 3.594, 344.324



26, 50.838, 0.540



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 6.207, 309.390 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, 6.207, 309.390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

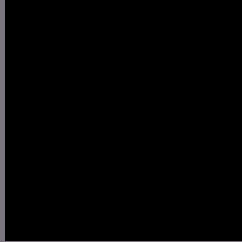
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

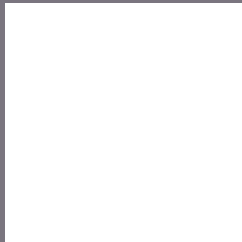
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 6.207, 309.390

Background



This preview shows how black text looks on a background with the CIELCh color 50, 6.207, 309.390.



This preview shows how white text looks on a background with the CIELCh color 50, 6.207, 309.390.

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, 6.207, 309.390

Protanopia

50, 5.858, 290.945

Deuteranopia

50, 7.813, 324.873



Tritanopia
50, 5.657, 311.258

Trichromacy



Original Color

50, 6.207, 309.390

Protanomaly

50, 5.876, 294.746

Deuteranomaly

50, 7.398, 319.703

Tritanomaly

50, 5.657, 311.258

Monochromacy



Original Color

50, 6.207, 309.390

Achromatopsia

50, 0.007, 296.813

Achromatomaly

50, 2.484, 309.170

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 6.207, 309.390 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, 127)` looks like.

```
.text, #text, p{  
    color:rgb(122, 117, 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(122, 117, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 117, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 6.207, 309.390 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, 127) }
```

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

```
.border{ border-color:rgb(122, 117, 127) }
```

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, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 117, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 117, 127);  
box-shadow:4px 4px 4px 4px rgb(122, 117,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 6.207, 309.390 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, 127) }
```

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

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