

Converting Colors

CIELCh(48, 6.614, 310.572)

Have a look what the booklet for
CIELCh(48, 6.614, 310.572) contains.

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Color

CIELCh(48, 6.254, 309.403)

Conversions

Conversions Part 1

Format	Color
Hex	75707A
RGB	117, 112, 122
RGB Percent	46%, 44%, 48%
CMY	0.5409, 0.5605, 0.5213
CMYK	0.04, 0.08, 0.00, 0.52
HSL	270°, 4%, 46%
HSV	270°, 8%, 48%
XYZ	16.6617, 16.7945, 20.7956
YIQ	114.6350, -0.2300, 4.1700

Conversions

Conversions Part 2

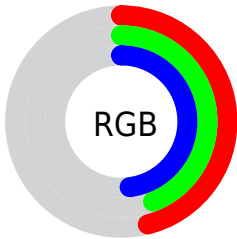
Format	Color
R_{YB}	117, 112, 122
Decimal	7696506
CIE _{Lab}	48.00, 3.97, -4.83
CIE _{LCh}	48, 6.254, 309.403
Yxy	16.7945, 0.3071, 0.3096
Android (android.graphics.Color)	4285886586 (0xFF75707A)
YUV	114.6350, 3.6309, 2.0741
Hunter-Lab	40.9810, 0.8562, -1.3996

Details

The CIELCh color **48, 6.254, 309.403** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **51, 6.179, 128.735**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 5.846, 309.299**, and **28, 6.254, 311.449** is the 20% darker color. If you saturate the color by 10%, you get **44, 14.072, 309.867**, and if you desaturate by 10%, it is **52, 1.353, 129.054**.

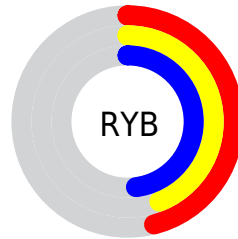
Distribution



Red (46%)

Green (44%)

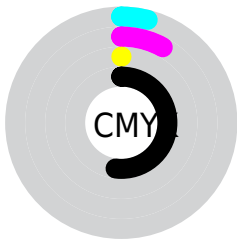
Blue (48%)



Red (46%)

Yellow (44%)

Blue (48%)

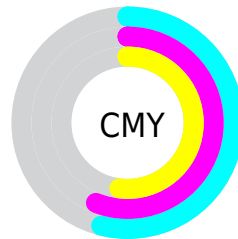


Cyan (4%)

Magenta (8%)

Yellow (0%)

Black (52%)



Cyan (54%)

Magenta (56%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 6.254, 309.403 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 48, 6.254, 309.403 by changing the saturation by 10% instead.

■ 48, 6.254, 309.403

■ 48, 6.254, 309.403

■ 100, 6.254,
309.403

■ 38, 6.254, 309.403

■ 68, 6.254, 309.403

■ 28, 6.254, 309.403

■ 78, 6.254, 309.403

■ 18, 6.254, 309.403

■ 88, 6.254, 309.403

■ 8, 6.254, 309.403

■ 98, 6.254, 309.403

■ 0, 6.254, 309.403

■ 48, 6.254, 309.403

■ 48, 6.254, 309.403

■ 44, 14.072,
309.867

■ 52, 1.353, 129.054

■ 40, 22.081,

■ 56, 8.736, 128.624

310.362

60, 15.897,
128.281

36, 30.229,
310.880

64, 22.842,
127.980

32, 38.421,
311.399

68, 29.580,
127.716

29, 46.495,
311.886

72, 36.121,
127.484

25, 54.188,
312.290

75, 42.475,
127.283

22, 61.112,
312.534

79, 48.652,
127.109

20, 66.771,
312.524

83, 54.664,
126.960

18, 71.218,
312.311

Harmonies

Complementary

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



48, 6.254, 309.403



51, 6.179, 128.735

Rectangle

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



48, 6.254, 309.403



48, 6.254, 359.403



48, 6.254, 129.403



48, 6.254, 179.403

Sweetspot

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



48, 6.253, 309.400



64, 1.876, 309.097



49, 3.456, 254.656



33, 1.061, 309.087



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



48, 6.253, 309.400



60, 9.459, 309.494



48, 7.113, 324.394



24, 4.314, 309.440



18, 73.309, 312.273



40, 124.097, 311.678

Inverse Universe

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



48, 5.034, 344.240



61, 7.613, 344.421



50, 7.099, 143.580



24, 3.473, 344.318



26, 50.114, 0.448



54, 83.990, 2.910

Previews

White Background



This preview shows how the CIELCh color 48, 6.254, 309.403 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 48, 6.254, 309.403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

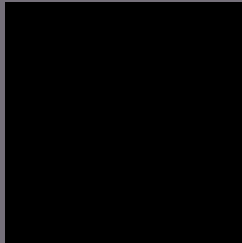
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 6.254, 309.403

Background



This preview shows how black text looks on a background with the CIELCh color 48, 6.254, 309.403.

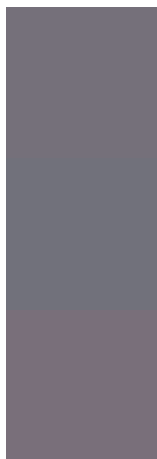


This preview shows how white text looks on a background with the CIELCh color 48, 6.254, 309.403.

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


48, 6.254, 309.403

Protanopia

48, 5.903, 290.975

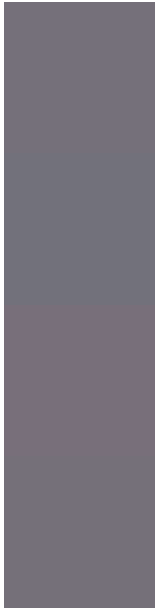
Deuteranopia

48, 7.654, 322.370



Tritanopia
48, 5.700, 311.270

Trichromacy



Original Color

48, 6.254, 309.403

Protanomaly

48, 5.922, 294.770

Deuteranomaly

48, 7.453, 319.718

Tritanomaly

48, 5.700, 311.270

Monochromacy



Original Color

48, 6.254, 309.403

Achromatopsia

48, 0.006, 296.813

Achromatomaly

48, 2.503, 309.177

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 6.254, 309.403 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(117, 112, 122)` looks like.

```
.text, #text, p{  
    color:rgb(117, 112, 122)  
}
```

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(117, 112, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 112, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 6.254, 309.403 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(117, 112, 122) }
```

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

```
.border{ border-color:rgb(117, 112, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 112, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 112, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 112, 122);  
box-shadow:4px 4px 4px 4px rgb(117, 112,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 6.254, 309.403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 112, 122) }
```

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

```
.background{ background-color: rgb(117,  
112, 122) }
```

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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