

Converting Colors

CIELCh(48, 4.557, 30.547)

Have a look what the booklet for
CIELCh(48, 4.557, 30.547) contains.

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Color

CIELCh(48, 4.309, 35.567)

Conversions

Conversions Part 1

Format	Color
Hex	7A706E
RGB	122, 112, 110
RGB Percent	48%, 44%, 43%
CMY	0.5223, 0.5615, 0.5693
CMYK	0.00, 0.08, 0.10, 0.52
HSL	10°, 5%, 45%
HSV	10°, 10%, 48%
XYZ	16.5789, 16.7945, 17.0683
YIQ	114.7620, 6.6020, 1.4980

Conversions

Conversions Part 2

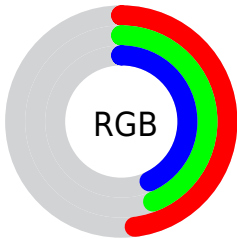
Format	Color
R_{YB}	122, 112, 110
Decimal	8024174
CIE Lab	48.00, 3.51, 2.51
CIE LCh	48, 4.309, 35.567
Yxy	16.7945, 0.3287, 0.3329
Android (android.graphics.Color)	4286214254 (0xFF7A706E)
YUV	114.7620, -2.3477, 6.3477
Hunter-Lab	40.9810, 0.4952, 3.9928

Details

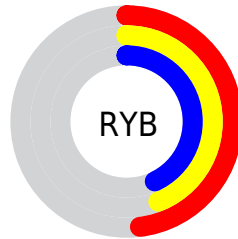
The CIELCh color **48, 4.309, 35.567** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **50, 4.058, 215.919**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 3.996, 35.532**, and **28, 4.181, 28.886** is the 20% darker color. If you saturate the color by 10%, you get **45, 9.036, 35.701**, and if you desaturate by 10%, it is **51, 0.066, 221.535**.

Distribution



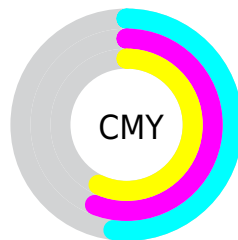
- Red (48%)
- Green (44%)
- Blue (43%)



- Red (48%)
- Yellow (44%)
- Blue (43%)



- Cyan (0%)
- Magenta (8%)
- Yellow (10%)
- Black (52%)



- Cyan (52%)
- Magenta (56%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 4.309, 35.567 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, 4.309, 35.567 by changing the saturation by 10% instead.

 48, 4.309, 35.567  48, 4.309, 35.567

 100, 4.309, 35.567  38, 4.309, 35.567

 68, 4.309, 35.567  28, 4.309, 35.567

 78, 4.309, 35.567  18, 4.309, 35.567

 88, 4.309, 35.567  8, 4.309, 35.567

 98, 4.309, 35.567  0, 4.309, 35.567

 48, 4.309, 35.567  48, 4.309, 35.567

 45, 9.036, 35.701  51, 0.066, 221.535

 42, 14.146, 35.916  54, 4.117, 215.915

 39, 19.653, 36.293  58, 7.881, 216.038

36, 25.554, 36.876

61, 11.388,
216.233

33, 31.814, 37.702

64, 14.670,
216.465

31, 38.342, 38.788

29, 44.949, 40.080

68, 17.753,
216.720

27, 51.215, 41.338

71, 20.661,
216.989

26, 56.221, 42.011

74, 23.416,
217.267

77, 26.036,
217.549

Harmonies

Complementary

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



48, 4.309, 35.567



50, 4.058, 215.919

Rectangle

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



48, 4.309, 35.567



48, 4.309, 85.567



48, 4.309, 215.567



48, 4.309, 265.567

Sweetspot

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



48, 4.308, 35.587



64, 1.582, 35.398



48, 7.655, 329.933



33, 1.196, 35.450



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, 4.308, 35.587



60, 6.562, 35.612



50, 4.942, 89.925



24, 2.466, 35.579



26, 57.545, 42.145



54, 100.343, 42.175

Inverse Universe

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



50, 4.058, 215.919



63, 6.083, 215.947



48, 4.941, 272.387



25, 2.335, 215.913



40, 25.668, 227.132



78, 43.222, 229.022

Previews

White Background



This preview shows how the CIELCh color 48, 4.309, 35.567 looks on a white background.

Color Contrast Check

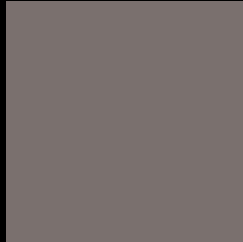
Large Text (above 18pt) WCAG AA ✓ Pass

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, 4.309, 35.567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

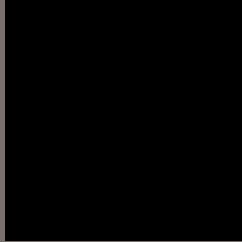
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 4.309, 35.567

Background



This preview shows how black text looks on a background with the CIELCh color 48, 4.309, 35.567.



This preview shows how white text looks on a background with the CIELCh color 48, 4.309, 35.567.

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, 4.309, 35.567

Protanopia

48, 2.010, 55.148

Deuteranopia

48, 6.675, 20.149



Tritanopia
48, 7.494, 335.263

Trichromacy



Original Color
48, 4.309, 35.567

Protanomaly
48, 2.728, 45.008

Deuteranomaly
48, 5.441, 26.148

Tritanomaly
48, 5.728, 349.185

Monochromacy



Original Color
48, 4.309, 35.567

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 1.350, 45.011

CSS Examples

Text

The CSS property to change the color of the text to CIE LCh 48, 4.309, 35.567 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, 112, 110)` looks like.

```
.text, #text, p{  
    color:rgb(122, 112, 110)  
}
```

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, 112, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 112, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 4.309, 35.567 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, 112, 110) }
```

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

```
.border{ border-color:rgb(122, 112, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 112, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 112, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 112, 110);  
box-shadow:4px 4px 4px 4px rgb(122, 112,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 4.309, 35.567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 112, 110) }
```

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

```
.background{ background-color: rgb(122,  
112, 110) }
```

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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