

Converting Colors

CIELCh(48, 9.387, 159.620)

Have a look what the booklet for
CIELCh(48, 9.387, 159.620) contains.

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Color

CIELCh(48, 9.401, 159.610)

Conversions

Conversions Part 1

Format	Color
Hex	64766C
RGB	100, 118, 108
RGB Percent	39%, 46%, 42%
CMY	0.6073, 0.5367, 0.5759
CMYK	0.15, 0.00, 0.08, 0.54
HSL	147°, 8%, 43%
HSV	147°, 15%, 46%
XYZ	14.4813, 16.7945, 16.7058
YIQ	111.4780, -7.5180, -6.9260

Conversions

Conversions Part 2

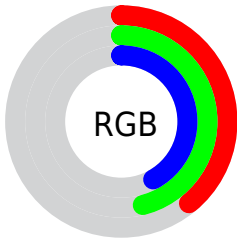
Format	Color
R_{YB}	100, 112, 118
Decimal	6583916
CIE _{Lab}	48.00, -8.81, 3.28
CIE _{LCh}	48, 9.401, 159.610
Yxy	16.7945, 0.3018, 0.3500
Android (android.graphics.Color)	4284773996 (0xFF64766C)
YUV	111.4780, -1.7147, -10.0662
Hunter-Lab	40.9810, -8.6411, 4.5174

Details

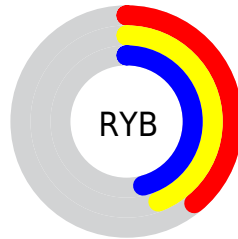
The CIELCh color **48, 9.401, 159.610** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **44, 9.536, 341.919**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 9.443, 158.797**, and **28, 9.519, 160.240** is the 20% darker color. If you saturate the color by 10%, you get **47, 15.548, 158.702**, and if you desaturate by 10%, it is **49, 3.224, 160.464**.

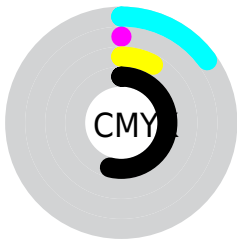
Distribution



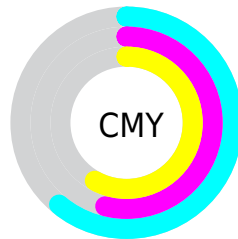
- Red (39%)
- Green (46%)
- Blue (42%)



- Red (39%)
- Yellow (44%)
- Blue (46%)



- Cyan (15%)
- Magenta (0%)
- Yellow (8%)
- Black (54%)



- Cyan (61%)
- Magenta (54%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 9.401, 159.610 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, 9.401, 159.610 by changing the saturation by 10% instead.

■ 48, 9.401, 159.610

■ 48, 9.401, 159.610

■ 100, 9.401,
159.610

■ 38, 9.401, 159.610

■ 68, 9.401, 159.610

■ 28, 9.401, 159.610

■ 78, 9.401, 159.610

■ 18, 9.401, 159.610

■ 88, 9.401, 159.610

■ 8, 9.401, 159.610

■ 98, 9.401, 159.610

■ 0, 9.401, 159.610

■ 48, 9.401, 159.610

■ 48, 9.401, 159.610

■ 47, 15.548,
158.702

■ 49, 3.224, 160.464

■ 46, 21.584,

■ 50, 2.924, 341.016

157.692

52, 8.992, 341.735

45, 27.421,
156.554

53, 14.945,
342.350

45, 32.962,
155.266

54, 20.758,
342.910

44, 38.111,
153.809

56, 26.415,
343.428

44, 42.784,
152.167

57, 31.909,
343.909

43, 46.925,
150.333

59, 37.237,
344.360

43, 50.549,
148.356

61, 42.399,
344.783

43, 52.206,
147.484

Harmonies

Complementary

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



48, 9.401, 159.610



44, 9.536, 341.919

Rectangle

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



48, 9.401, 159.610



48, 9.401, 209.610



48, 9.401, 339.610



48, 9.401, 29.610

Sweetspot

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



48, 9.402, 159.608



63, 3.801, 160.474



49, 11.040, 126.019



32, 2.579, 160.424



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



48, 9.402, 159.608



61, 13.722, 159.327



48, 7.069, 192.904



24, 3.448, 160.135



45, 53.649, 147.392



87, 93.571, 146.064

Inverse Universe

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



44, 9.536, 341.919



56, 13.955, 342.191



44, 7.670, 15.024



23, 3.480, 341.403



26, 50.170, 355.437



54, 84.381, 357.583

Previews

White Background



This preview shows how the CIELCh color 48, 9.401, 159.610 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 CIELCh color 48, 9.401, 159.610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

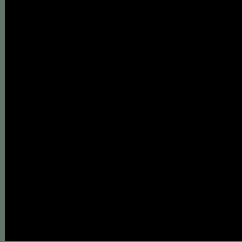
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

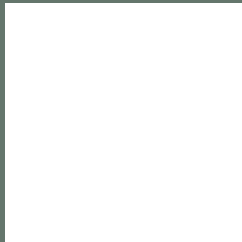
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 9.401, 159.610

Background



This preview shows how black text looks on a background with the CIELCh color 48, 9.401, 159.610.



This preview shows how white text looks on a background with the CIELCh color 48, 9.401, 159.610.

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, 9.401, 159.610

Protanopia

48, 4.603, 82.603

Deuteranopia

48, 6.675, 20.149



Tritanopia
48, 7.154, 247.097

Trichromacy



Original Color
48, 9.401, 159.610

Protanomaly
48, 4.868, 124.266

Deuteranomaly
48, 2.862, 74.545

Tritanomaly
48, 5.916, 210.368

Monochromacy



Original Color
48, 9.401, 159.610

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 3.021, 163.331

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 9.401, 159.610 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(100, 118, 108)` looks like.

```
.text, #text, p{  
    color:rgb(100, 118, 108)  
}
```

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(100, 118, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 118, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 9.401, 159.610 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(100, 118, 108) }
```

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

```
.border{ border-color:rgb(100, 118, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 118, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 118, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 118, 108);  
box-shadow:4px 4px 4px 4px rgb(100, 118,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 9.401, 159.610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 118, 108) }
```

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

```
.background{ background-color: rgb(100,  
118, 108) }
```

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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