

Converting Colors

CIELCh(48, 10.179, 156.910)

Have a look what the booklet for
CIELCh(48, 10.179, 156.910)
contains.

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Color

CIELCh(48, 9.801, 157.004)

Conversions

Conversions Part 1

Format	Color
Hex	64766B
RGB	100, 118, 107
RGB Percent	39%, 46%, 42%
CMY	0.6070, 0.5364, 0.5796
CMYK	0.15, 0.00, 0.09, 0.54
HSL	143°, 8%, 43%
HSV	143°, 15%, 46%
XYZ	14.4471, 16.7945, 16.4480
YIQ	111.3640, -7.1970, -7.2370

Conversions

Conversions Part 2

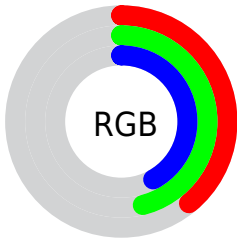
Format	Color
R_{YB}	100, 113, 118
Decimal	6583915
CIE Lab	48.00, -9.02, 3.83
CIE LCh	48, 9.801, 157.004
Yxy	16.7945, 0.3029, 0.3522
Android (android.graphics.Color)	4284773995 (0xFF64766B)
YUV	111.3640, -2.1515, -9.9662
Hunter-Lab	40.9810, -8.7900, 4.8903

Details

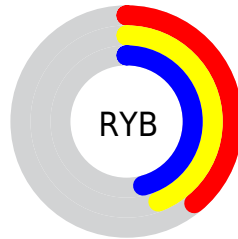
The CIELCh color **48, 9.801, 157.004** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **44, 9.907, 339.195**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 9.820, 156.394**, and **28, 9.957, 157.406** is the 20% darker color. If you saturate the color by 10%, you get **47, 16.232, 156.128**, and if you desaturate by 10%, it is **49, 3.354, 157.819**.

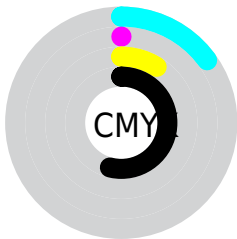
Distribution



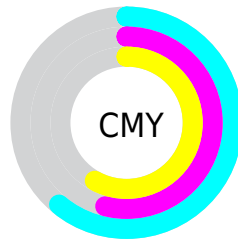
- Red (39%)
- Green (46%)
- Blue (42%)



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



- Cyan (15%)
- Magenta (0%)
- Yellow (9%)
- Black (54%)

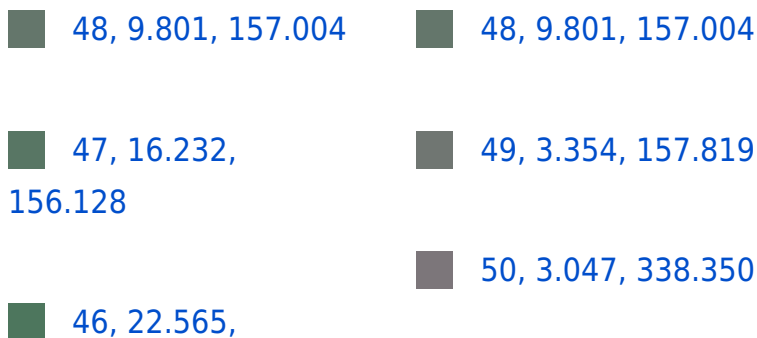
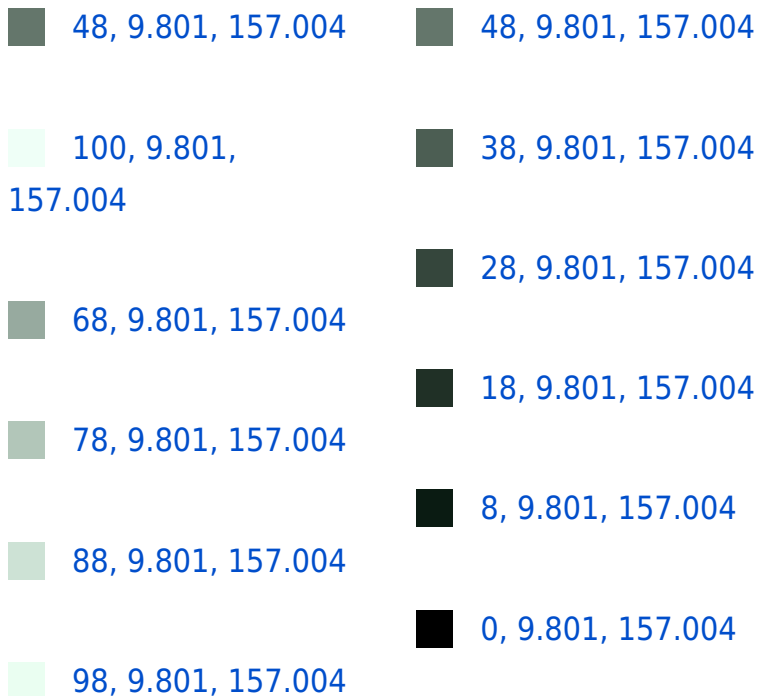


- Cyan (61%)
- Magenta (54%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 9.801, 157.004 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, 9.801, 157.004 by changing the saturation by 10% instead.



155.147

52, 9.353, 339.024

45, 28.705,
154.034

53, 15.528,
339.596

45, 34.551,
152.770

54, 21.548,
340.114

44, 39.997,
151.335

56, 27.398,
340.588

44, 44.952,
149.717

58, 33.073,
341.025

43, 49.346,
147.916

59, 38.568,
341.432

43, 53.179,
145.988

61, 43.888,
341.810

43, 54.918,
145.146

Harmonies

Complementary

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



48, 9.801, 157.004



44, 9.907, 339.195

Rectangle

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



48, 9.801, 157.004



48, 9.801, 207.004



48, 9.801, 337.004



48, 9.801, 27.004

Sweetspot

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



48, 9.802, 157.002



62, 3.958, 157.829



49, 10.928, 124.163



32, 2.686, 157.781



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, 9.802, 157.002



61, 14.312, 156.732



48, 7.175, 188.688



24, 3.592, 157.507



45, 56.411, 145.059



87, 98.385, 143.778

Inverse Universe

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



44, 9.907, 339.195



56, 14.492, 339.449



44, 7.714, 11.062



23, 3.619, 338.712



26, 51.358, 350.805



55, 86.214, 352.561

Previews

White Background



This preview shows how the CIELCh color 48, 9.801, 157.004 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, 9.801, 157.004 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, 9.801, 157.004

Background



This preview shows how black text looks on a background with the CIELCh color 48, 9.801, 157.004.



This preview shows how white text looks on a background with the CIELCh color 48, 9.801, 157.004.

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, 9.801, 157.004

Protanopia

48, 5.137, 85.442

Deuteranopia

48, 6.722, 25.135



Tritanopia
48, 7.154, 247.097

Trichromacy



Original Color
48, 9.801, 157.004

Protanomaly
48, 5.438, 122.656

Deuteranomaly
48, 3.363, 80.204

Tritanomaly
48, 5.916, 210.368

Monochromacy



Original Color
48, 9.801, 157.004

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 3.411, 155.382

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 9.801, 157.004 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, 107)` looks like.

```
.text, #text, p{  
    color:rgb(100, 118, 107)  
}
```

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, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 118, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 9.801, 157.004 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, 107) }
```

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

```
.border{ border-color:rgb(100, 118, 107) }
```

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, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 118, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 118, 107);  
box-shadow:4px 4px 4px 4px rgb(100, 118,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 9.801, 157.004 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, 107) }
```

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

```
.background{ background-color: rgb(100,  
118, 107) }
```

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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