

Converting Colors

CIELCh(48, 3.221, 338.036)

Have a look what the booklet for
CIELCh(48, 3.221, 338.036) contains.

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Color

CIELCh(48, 3.407, 335.933)

Conversions

Conversions Part 1

Format	Color
Hex	767074
RGB	118, 112, 116
RGB Percent	46%, 44%, 45%
CMY	0.5361, 0.5596, 0.5439
CMYK	0.00, 0.05, 0.02, 0.54
HSL	320°, 3%, 45%
HSV	320°, 5%, 46%
XYZ	16.5088, 16.7945, 18.9858
YIQ	114.2500, 2.2920, 2.5160

Conversions

Conversions Part 2

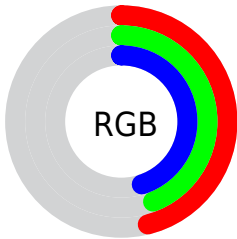
Format	Color
RYB	118, 112, 116
Decimal	7762036
CIELab	48.00, 3.11, -1.39
CIELCh	48, 3.407, 335.933
Yxy	16.7945, 0.3157, 0.3212
Android (android.graphics.Color)	4285952116 (0xFF767074)
YUV	114.2500, 0.8628, 3.2887
Hunter-Lab	40.9810, 0.1899, 1.2187

Details

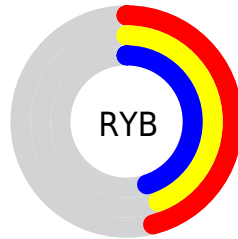
The CIELCh color **48, 3.407, 335.933** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **49, 3.388, 155.401**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 3.185, 335.810**, and **28, 3.738, 336.155** is the 20% darker color. If you saturate the color by 10%, you get **45, 10.195, 336.677**, and if you desaturate by 10%, it is **51, 3.262, 155.430**.

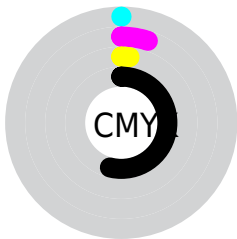
Distribution



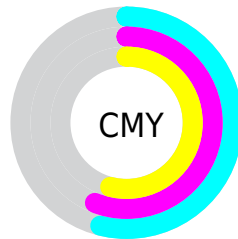
- Red (46%)
- Green (44%)
- Blue (45%)



- Red (46%)
- Yellow (44%)
- Blue (45%)



- Cyan (0%)
- Magenta (5%)
- Yellow (2%)
- Black (54%)



- Cyan (54%)
- Magenta (56%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 3.407, 335.933 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, 3.407, 335.933 by changing the saturation by 10% instead.

■ 48, 3.407, 335.933

■ 48, 3.407, 335.933

■ 100, 3.407,
335.933

■ 38, 3.407, 335.933

■ 68, 3.407, 335.933

■ 28, 3.407, 335.933

■ 78, 3.407, 335.933

■ 18, 3.407, 335.933

■ 88, 3.407, 335.933

■ 8, 3.407, 335.933

■ 98, 3.407, 335.933

■ 0, 3.407, 335.933

■ 48, 3.407, 335.933

■ 48, 3.407, 335.933

■ 45, 10.195,
336.677

■ 51, 3.262, 155.430

■ 41, 17.037,

■ 55, 9.765, 154.771

337.427

59, 16.084,
154.186

38, 23.818,
338.228

62, 22.212,
153.641

35, 30.375,
339.097

66, 28.150,
153.129

32, 36.483,
340.053

69, 33.905,
152.648

30, 41.864,
341.128

73, 39.487,
152.195

28, 46.209,
342.366

76, 44.906,
151.769

27, 49.244,
343.830

80, 50.174,
151.367

26, 50.924,
345.571

Harmonies

Complementary

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



48, 3.407, 335.933



49, 3.388, 155.401

Rectangle

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



48, 3.407, 335.933



48, 3.407, 25.933



48, 3.407, 155.933



48, 3.407, 205.933

Sweetspot

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



48, 3.405, 335.938



62, 1.656, 335.634



48, 3.647, 303.300



32, 0.936, 335.609



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, 3.405, 335.938



61, 4.977, 336.022



48, 2.528, 6.113



23, 2.629, 336.035



26, 52.898, 346.530



55, 88.750, 347.916

Inverse Universe

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



48, 3.405, 335.938



61, 4.977, 336.022



49, 2.473, 185.555



23, 2.629, 336.035



26, 52.898, 346.530



55, 88.750, 347.916

Previews

White Background



This preview shows how the CIELCh color 48, 3.407, 335.933 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, 3.407, 335.933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

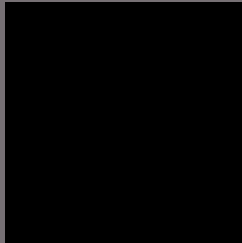
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

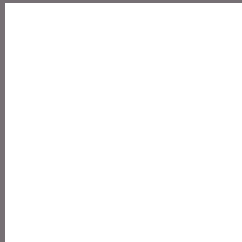
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 3.407, 335.933

Background



This preview shows how black text looks on a background with the CIELCh color 48, 3.407, 335.933.



This preview shows how white text looks on a background with the CIELCh color 48, 3.407, 335.933.

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, 3.407, 335.933

Protanopia

48, 2.507, 309.178

Deuteranopia

48, 7.054, 344.520



Tritanopia
48, 5.518, 321.276

Trichromacy



Original Color

48, 3.407, 335.933

Protanomaly

48, 2.667, 317.383

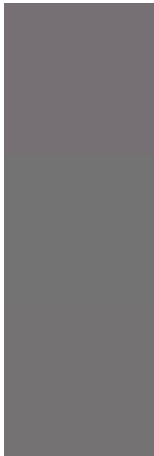
Deuteranomaly

48, 5.718, 341.920

Tritanomaly

48, 5.023, 324.713

Monochromacy



Original Color

48, 3.407, 335.933

Achromatopsia

48, 0.006, 296.813

Achromatomaly

48, 1.011, 343.515

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 3.407, 335.933 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(118, 112, 116)` looks like.

```
.text, #text, p{  
    color:rgb(118, 112, 116)  
}
```

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(118, 112, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 112, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 3.407, 335.933 is called "border". The border property can be set on classes, ids or directly on the HTML element.

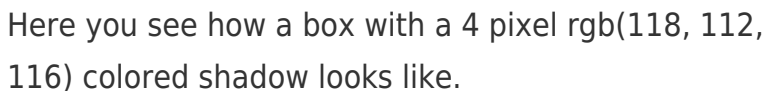
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 112, 116) }
```

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

```
.border{ border-color:rgb(118, 112, 116) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 112, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 112, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 112, 116);  
box-shadow:4px 4px 4px 4px rgb(118, 112,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 3.407, 335.933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 112, 116) }
```

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

```
.background{ background-color: rgb(118,  
112, 116) }
```

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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