

Converting Colors

CIELCh(48, 4.256, 206.949)

Have a look what the booklet for
CIELCh(48, 4.256, 206.949) contains.

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Color

CIELCh(48, 4.358, 206.803)

Conversions

Conversions Part 1

Format	Color
Hex	697475
RGB	105, 116, 117
RGB Percent	41%, 45%, 46%
CMY	0.5880, 0.5449, 0.5410
CMYK	0.10, 0.01, 0.00, 0.54
HSL	185°, 5%, 44%
HSV	185°, 10%, 46%
XYZ	15.2969, 16.7945, 19.2808
YIQ	112.8250, -6.8770, -2.0210

Conversions

Conversions Part 2

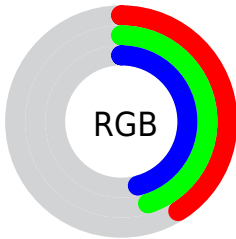
Format	Color
R_{YB}	105, 111, 117
Decimal	6911093
CIE _{Lab}	48.00, -3.89, -1.97
CIE _{LCh}	48, 4.358, 206.803
Yxy	16.7945, 0.2978, 0.3269
Android (android.graphics.Color)	4285101173 (0xFF697475)
YUV	112.8250, 2.0583, -6.8625
Hunter-Lab	40.9810, -5.0887, 0.7919

Details

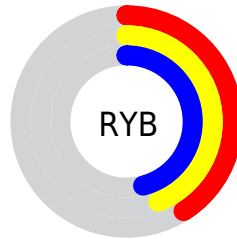
The CIELCh color **48, 4.358, 206.803** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **46, 4.643, 27.183**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 4.467, 206.230**, and **28, 4.295, 207.487** is the 20% darker color. If you saturate the color by 10%, you get **47, 8.372, 206.589**, and if you desaturate by 10%, it is **49, 0.110, 210.357**.

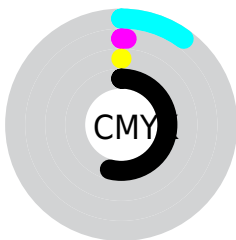
Distribution



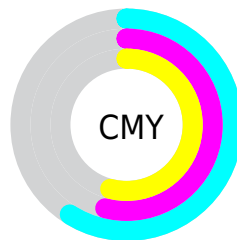
- Red (41%)
- Green (45%)
- Blue (46%)



- Red (41%)
- Yellow (44%)
- Blue (46%)



- Cyan (10%)
- Magenta (1%)
- Yellow (0%)
- Black (54%)



- Cyan (59%)
- Magenta (54%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 4.358, 206.803 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, 4.358, 206.803 by changing the saturation by 10% instead.

■ 48, 4.358, 206.803

■ 48, 4.358, 206.803

■ 100, 4.358,
206.803

■ 38, 4.358, 206.803

■ 68, 4.358, 206.803

■ 28, 4.358, 206.803

■ 78, 4.358, 206.803

■ 18, 4.358, 206.803

■ 88, 4.358, 206.803

■ 8, 4.358, 206.803

■ 98, 4.358, 206.803

■ 0, 4.358, 206.803

■ 48, 4.358, 206.803

■ 48, 4.358, 206.803

■ 47, 8.372, 206.589

■ 49, 0.110, 210.357

■ 46, 12.090,
206.506

■ 51, 4.320, 27.124

45, 15.448,
206.538

52, 8.882, 27.493

44, 18.382,
206.702

53, 13.537, 27.863

55, 18.253, 28.248

43, 20.836,
207.023

56, 23.002, 28.645

43, 22.767,
207.527

58, 27.765, 29.048

60, 32.524, 29.454

42, 24.154,
208.239

61, 37.268, 29.859

41, 25.006,
209.186

41, 25.545,
210.238

Harmonies

Complementary

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



48, 4.358, 206.803



46, 4.643, 27.183

Rectangle

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



48, 4.358, 206.803



48, 4.358, 256.803



48, 4.358, 26.803



48, 4.358, 76.803

Sweetspot

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



48, 4.359, 206.787



63, 1.615, 207.141



48, 8.257, 145.718



32, 1.215, 207.071



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, 4.359, 206.787



61, 6.319, 206.735



46, 4.487, 263.631



24, 2.404, 206.823



43, 26.367, 210.311



83, 44.518, 211.172

Inverse Universe

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



46, 8.178, 327.302



58, 11.933, 327.419



47, 4.546, 80.999



23, 4.494, 327.233



28, 63.031, 331.710



58, 106.491, 331.921

Previews

White Background



This preview shows how the CIELCh color 48, 4.358, 206.803 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, 4.358, 206.803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

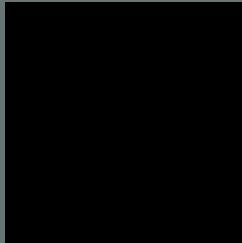
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

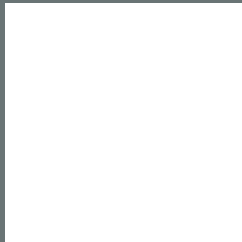
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 4.358, 206.803

Background



This preview shows how black text looks on a background with the CIELCh color 48, 4.358, 206.803.



This preview shows how white text looks on a background with the CIELCh color 48, 4.358, 206.803.

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

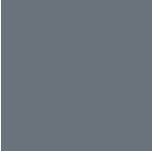
48, 4.358, 206.803

Protanopia

48, 1.443, 324.413

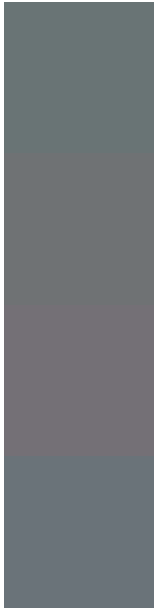
Deuteranopia

48, 7.096, 338.640



Tritanopia
48, 6.264, 257.338

Trichromacy



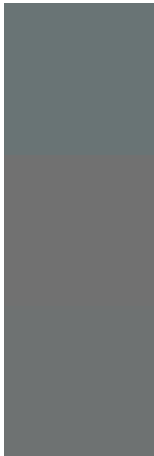
Original Color
48, 4.358, 206.803

Protanomaly
48, 1.671, 244.504

Deuteranomaly
48, 3.911, 314.838

Tritanomaly
48, 4.919, 245.306

Monochromacy



Original Color
48, 4.358, 206.803

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 1.606, 199.448

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 4.358, 206.803 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(105, 116, 117)` looks like.

```
.text, #text, p{  
    color:rgb(105, 116, 117)  
}
```

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(105, 116, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 116, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 4.358, 206.803 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(105, 116, 117) }
```

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

```
.border{ border-color:rgb(105, 116, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 116, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 116, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 116, 117);  
box-shadow:4px 4px 4px 4px rgb(105, 116,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 4.358, 206.803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 116, 117) }
```

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

```
.background{ background-color: rgb(105,  
116, 117) }
```

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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