

Converting Colors

CIELCh(48, 4.299, 147.455)

Have a look what the booklet for
CIELCh(48, 4.299, 147.455) contains.

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Color

CIELCh(48, 4.558, 148.305)

Conversions

Conversions Part 1

Format	Color
Hex	6D746E
RGB	109, 116, 110
RGB Percent	43%, 45%, 43%
CMY	0.5734, 0.5460, 0.5695
CMYK	0.06, 0.00, 0.05, 0.55
HSL	129°, 3%, 44%
HSV	129°, 6%, 45%
XYZ	15.2988, 16.7945, 17.1214
YIQ	113.2230, -2.2460, -3.3500

Conversions

Conversions Part 2

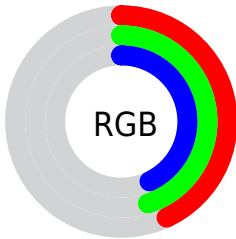
Format	Color
RYB	109, 115, 116
Decimal	7173230
CIELab	48.00, -3.88, 2.39
CIELCh	48, 4.558, 148.305
Yxy	16.7945, 0.3109, 0.3412
Android (android.graphics.Color)	4285363310 (0xFF6D746E)
YUV	113.2230, -1.5889, -3.7036
Hunter-Lab	40.9810, -5.0802, 3.9161

Details

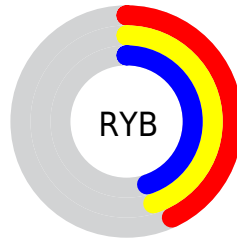
The CIELCh color **48, 4.558, 148.305** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **47, 4.573, 328.908**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 4.504, 152.096**, and **28, 4.219, 148.934** is the 20% darker color. If you saturate the color by 10%, you get **47, 12.174, 147.626**, and if you desaturate by 10%, it is **49, 2.967, 328.757**.

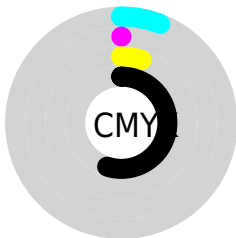
Distribution



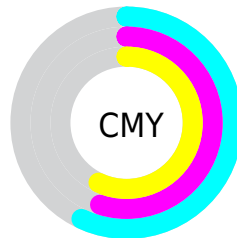
- Red (43%)
- Green (45%)
- Blue (43%)



- Red (43%)
- Yellow (45%)
- Blue (45%)



- Cyan (6%)
- Magenta (0%)
- Yellow (5%)
- Black (55%)





















- Cyan (57%)
- Magenta (55%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 4.558, 148.305 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, 4.558, 148.305 by changing the saturation by 10% instead.

 48, 4.558, 148.305	 48, 4.558, 148.305
 100, 4.558, 148.305	 38, 4.558, 148.305
 68, 4.558, 148.305	 28, 4.558, 148.305
 78, 4.558, 148.305	 18, 4.558, 148.305
 88, 4.558, 148.305	 8, 4.558, 148.305
 98, 4.558, 148.305	 0, 4.558, 148.305

 48, 4.558, 148.305	 48, 4.558, 148.305
 47, 12.174, 147.626	 49, 2.967, 328.757
 46, 19.799,	 51, 10.349, 329.292

146.866

52, 17.547,
329.725

45, 27.333,
145.991

54, 24.540,
330.099

44, 34.648,
144.988

55, 31.314,
330.427

43, 41.594,
143.849

57, 37.866,
330.716

43, 48.003,
142.581

59, 44.198,
330.973

43, 53.697,
141.212

60, 50.316,
331.202

42, 58.498,
139.799

62, 56.229,
331.408

42, 62.290,
138.488

Harmonies

Complementary

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



48, 4.558, 148.305



47, 4.573, 328.908

Rectangle

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



48, 4.558, 148.305



48, 4.558, 198.305



48, 4.558, 328.305



48, 4.558, 18.305

Sweetspot

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



48, 4.559, 148.304



62, 1.860, 148.623



48, 4.122, 114.972



32, 1.065, 148.643



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, 4.559, 148.304



61, 6.549, 148.228



48, 3.212, 171.089



24, 3.436, 148.224



44, 66.293, 138.018



86, 114.449, 137.262

Inverse Universe

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



47, 4.573, 328.908



59, 6.567, 328.979



47, 3.258, 351.938



23, 3.445, 328.982



27, 60.262, 334.607



57, 101.567, 335.019

Previews

White Background



This preview shows how the CIELCh color 48, 4.558, 148.305 looks on a white background.

Color Contrast Check

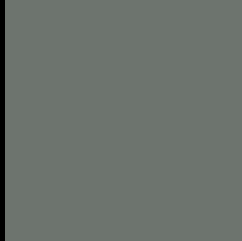
Large Text (above 18pt) WCAG AA ✓ Pass

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, 4.558, 148.305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

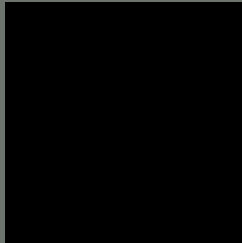
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

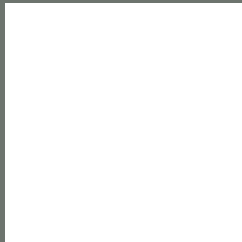
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 4.558, 148.305

Background



This preview shows how black text looks on a background with the CIELCh color 48, 4.558, 148.305.

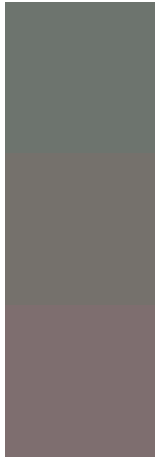


This preview shows how white text looks on a background with the CIELCh color 48, 4.558, 148.305.

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, 4.558, 148.305

Protanopia

48, 3.363, 80.204

Deuteranopia

48, 6.680, 15.131



Tritanopia
48, 5.413, 278.411

Trichromacy



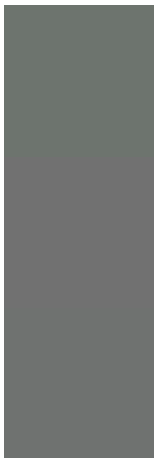
Original Color
48, 4.558, 148.305

Protanomaly
48, 2.935, 109.766

Deuteranomaly
48, 3.349, 29.768

Tritanomaly
48, 2.632, 241.615

Monochromacy



Original Color
48, 4.558, 148.305

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 1.700, 155.628

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 4.558, 148.305 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(109, 116, 110)` looks like.

```
.text, #text, p{  
    color:rgb(109, 116, 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(109, 116, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 116, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 4.558, 148.305 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(109, 116, 110) }
```

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

```
.border{ border-color:rgb(109, 116, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 116, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 116, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 116, 110);  
box-shadow:4px 4px 4px 4px rgb(109, 116,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 4.558, 148.305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 116, 110) }
```

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

```
.background{ background-color: rgb(109,  
116, 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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