

Converting Colors

CIELCh(48, 4.121, 153.384)

Have a look what the booklet for
CIELCh(48, 4.121, 153.384) contains.

CIELCh(48, 4.110, 153.381)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(48, 4.110, 153.381)

Conversions

Conversions Part 1

Format	Color
Hex	6D746F
RGB	109, 116, 111
RGB Percent	43%, 45%, 44%
CMY	0.5737, 0.5463, 0.5659
CMYK	0.06, 0.00, 0.04, 0.55
HSL	137°, 3%, 44%
HSV	137°, 6%, 45%
XYZ	15.3332, 16.7945, 17.3860
YIQ	113.3370, -2.5670, -3.0390

Conversions

Conversions Part 2

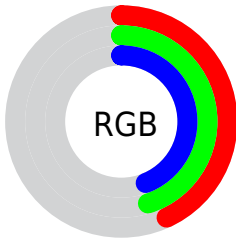
Format	Color
RYB	109, 114, 116
Decimal	7173231
CIELab	48.00, -3.67, 1.84
CIELCh	48, 4.110, 153.381
Yxy	16.7945, 0.3097, 0.3392
Android (android.graphics.Color)	4285363311 (0xFF6D746F)
YUV	113.3370, -1.1521, -3.8035
Hunter-Lab	40.9810, -4.9302, 3.5333

Details

The CIELCh color **48, 4.110, 153.381** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **47, 4.130, 334.043**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 4.110, 157.221**, and **28, 4.219, 148.934** is the 20% darker color. If you saturate the color by 10%, you get **47, 10.963, 152.630**, and if you desaturate by 10%, it is **49, 2.676, 333.869**.

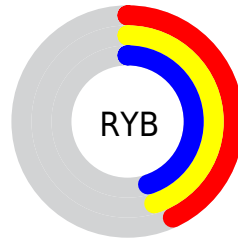
Distribution



Red (43%)

Green (45%)

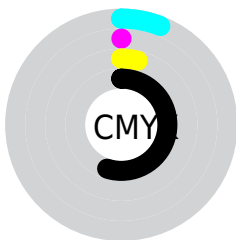
Blue (44%)



Red (43%)

Yellow (45%)

Blue (45%)

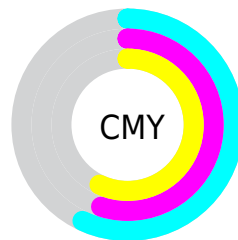


Cyan (6%)

Magenta (0%)

Yellow (4%)

Black (55%)



Cyan (57%)

Magenta (55%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 4.110, 153.381 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, 4.110, 153.381 by changing the saturation by 10% instead.

■ 48, 4.110, 153.381

■ 48, 4.110, 153.381

■ 100, 4.110,
153.381

■ 38, 4.110, 153.381

■ 68, 4.110, 153.381

■ 28, 4.110, 153.381

■ 78, 4.110, 153.381

■ 18, 4.110, 153.381

■ 88, 4.110, 153.381

■ 8, 4.110, 153.381

■ 98, 4.110, 153.381

■ 0, 4.110, 153.381

■ 48, 4.110, 153.381

■ 48, 4.110, 153.381

■ 47, 10.963,
152.630

■ 49, 2.676, 333.869

■ 46, 17.812,

■ 51, 9.347, 334.485

151.808

52, 15.866,
334.992

45, 24.571,
150.872

53, 22.210,
335.441

44, 31.136,
149.801

55, 28.365,
335.846

44, 37.391,
148.579

57, 34.327,
336.212

43, 43.215,
147.193

58, 40.093,
336.547

43, 48.492,
145.642

60, 45.669,
336.854

42, 53.125,
143.944

62, 51.061,
337.138

42, 57.096,
142.197

Harmonies

Complementary

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



48, 4.110, 153.381



47, 4.130, 334.043

Rectangle

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



48, 4.110, 153.381



48, 4.110, 203.381



48, 4.110, 333.381



48, 4.110, 23.381

Sweetspot

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



48, 4.111, 153.378



62, 1.677, 153.746



48, 4.190, 120.847



32, 0.961, 153.769



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, 4.111, 153.378



61, 5.905, 153.293



48, 2.954, 181.589



24, 3.098, 153.289



44, 61.144, 141.468



86, 106.411, 140.337

Inverse Universe

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



47, 4.130, 334.043



59, 5.931, 334.124



47, 3.021, 2.406



23, 3.112, 334.128



26, 54.476, 343.134



56, 91.433, 344.227

Previews

White Background



This preview shows how the CIE LCh color 48, 4.110, 153.381 looks on a white background.

Color Contrast Check

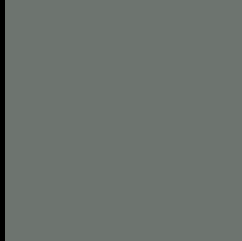
Large Text (above 18pt) WCAG AA ✓ Pass

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, 4.110, 153.381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

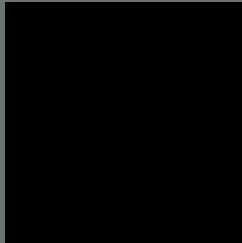
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 4.110, 153.381

Background



This preview shows how black text looks on a background with the CIELCh color 48, 4.110, 153.381.



This preview shows how white text looks on a background with the CIELCh color 48, 4.110, 153.381.

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, 4.110, 153.381

Protanopia

48, 2.862, 74.545

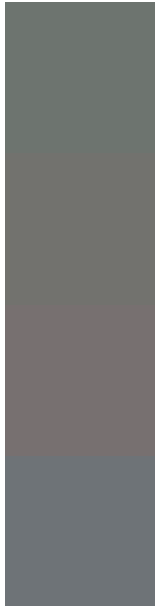
Deuteranopia

48, 6.323, 9.435



Tritanopia
48, 5.413, 278.411

Trichromacy



Original Color
48, 4.110, 153.381

Protanomaly
48, 2.347, 109.842

Deuteranomaly
48, 2.875, 19.617

Tritanomaly
48, 3.047, 250.123

Monochromacy



Original Color
48, 4.110, 153.381

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, 4.110, 153.381 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, 111)` looks like.

```
.text, #text, p{  
    color:rgb(109, 116, 111)  
}
```

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, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 116, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 4.110, 153.381 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, 111) }
```

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

```
.border{ border-color:rgb(109, 116, 111) }
```

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, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 116, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 116, 111);  
box-shadow:4px 4px 4px 4px rgb(109, 116,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 4.110, 153.381 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, 111) }
```

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

```
.background{ background-color: rgb(109,  
116, 111) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor