

Converting Colors

CIELCh(48, 12.460, 143.588)

Have a look what the booklet for
CIELCh(48, 12.460, 143.588)
contains.

CIELCh(48, 12.256, 143.618)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(48, 12.256, 143.618)

Conversions

Conversions Part 1

Format	Color
Hex	657665
RGB	101, 118, 101
RGB Percent	40%, 46%, 40%
CMY	0.6023, 0.5356, 0.6023
CMYK	0.14, 0.00, 0.14, 0.54
HSL	120°, 8%, 43%
HSV	120°, 14%, 46%
XYZ	14.3103, 16.7945, 14.9049
YIQ	110.9790, -4.6750, -8.8910

Conversions

Conversions Part 2

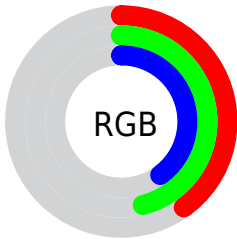
Format	Color
R_{YB}	101, 118, 118
Decimal	6649445
CIE Lab	48.00, -9.87, 7.27
CIE LCh	48, 12.256, 143.618
Yxy	16.7945, 0.3110, 0.3650
Android (android.graphics.Color)	4284839525 (0xFF657665)
YUV	110.9790, -4.9196, -8.7516
Hunter-Lab	40.9810, -9.3858, 7.1228

Details

The CIELCh color $48, 12.256, 143.618$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $45, 12.271, 325.175$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 12.121, 143.842$, and $28, 12.655, 143.141$ is the 20% darker color. If you saturate the color by 10%, you get $47, 20.843, 142.910$, and if you desaturate by 10%, it is $49, 3.698, 144.253$.

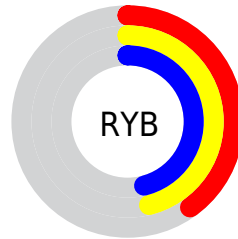
Distribution



Red (40%)

Green (46%)

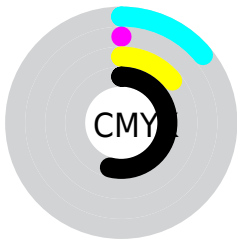
Blue (40%)



Red (40%)

Yellow (46%)

Blue (46%)

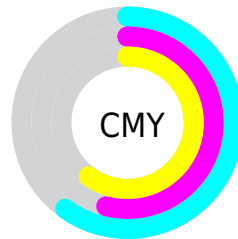


Cyan (14%)

Magenta (0%)

Yellow (14%)

Black (54%)



Cyan (60%)

Magenta (54%)

Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 12.256, 143.618 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, 12.256, 143.618 by changing the saturation by 10% instead.

 48, 12.256,
143.618


 48, 12.256,
143.618


 100, 12.256,
143.618

 38, 12.256,
143.618

 68, 12.256,
143.618

 28, 12.256,
143.618

 78, 12.256,
143.618

 18, 12.256,
143.618

 88, 12.256,
143.618

 8, 12.256, 143.618

 98, 12.256,
143.618

 0, 12.256, 143.618

 48, 12.256,

 48, 12.256,

143.618

■ 47, 20.843,
142.910

■ 46, 29.332,
142.096

■ 45, 37.562,
141.171

■ 44, 45.326,
140.148

■ 44, 52.375,
139.067

■ 43, 58.413,
138.003

■ 43, 63.125,
137.072

■ 43, 66.323,
136.384

143.618

■ 49, 3.698, 144.253

■ 51, 4.743, 324.681

■ 52, 13.005,
325.140

■ 54, 21.047,
325.517

■ 55, 28.847,
325.836

■ 57, 36.393,
326.108

■ 59, 43.686,
326.342

■ 61, 50.729,
326.543

■ 43, 67.949,
136.015

■ 63, 57.533,
326.716

Harmonies

Complementary

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



48, 12.256, 143.618



45, 12.271, 325.175

Rectangle

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



48, 12.256, 143.618



48, 12.256, 193.618



48, 12.256, 323.618



48, 12.256, 13.618

Sweetspot

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



48, 12.257, 143.618



63, 4.178, 144.271



49, 9.753, 108.170



32, 2.954, 144.229



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, 12.257, 143.618



61, 17.912, 143.413



48, 8.626, 161.642



24, 4.750, 143.960



44, 69.576, 136.015



86, 117.958, 136.016

Inverse Universe

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



45, 12.271, 325.175



56, 17.928, 325.336



45, 8.767, 343.883



23, 4.757, 324.887



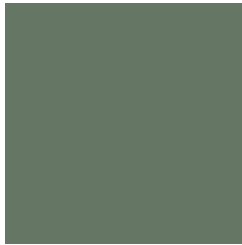
28, 67.130, 328.229



59, 113.811, 328.229

Previews

White Background



This preview shows how the CIELCh color 48, 12.256, 143.618 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 CIELCh color 48, 12.256, 143.618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

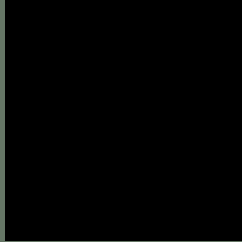
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

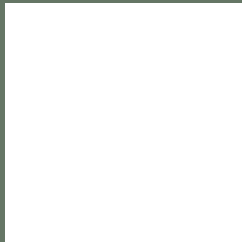
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 12.256, 143.618

Background



This preview shows how black text looks on a background with the CIELCh color 48, 12.256, 143.618.

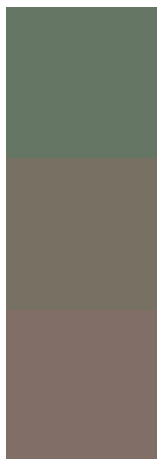


This preview shows how white text looks on a background with the CIELCh color 48, 12.256, 143.618.

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, 12.256, 143.618

Protanopia

48, 8.608, 91.708

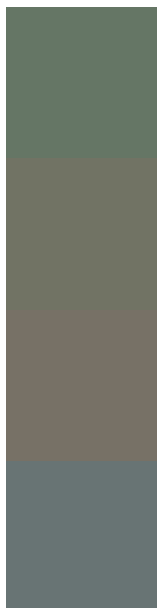
Deuteranopia

48, 9.139, 46.792



Tritanopia
48, 6.470, 254.506

Trichromacy



Original Color
48, 12.256, 143.618

Protanomaly
48, 8.839, 114.463

Deuteranomaly
48, 6.937, 87.786

Tritanomaly
48, 4.731, 198.949

Monochromacy



Original Color
48, 12.256, 143.618

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 4.325, 144.198

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 12.256, 143.618 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(101, 118, 101)` looks like.

```
.text, #text, p{  
    color:rgb(101, 118, 101)  
}
```

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(101, 118, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 118, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 12.256, 143.618 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(101, 118, 101) }
```

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

```
.border{ border-color:rgb(101, 118, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 118, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 118, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 118, 101);  
box-shadow:4px 4px 4px 4px rgb(101, 118,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 12.256, 143.618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 118, 101) }
```

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

```
.background{ background-color: rgb(101,  
118, 101) }
```

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