

Converting Colors

CIELCh(48, 13.446, 124.949)

Have a look what the booklet for
CIELCh(48, 13.446, 124.949)
contains.

CIELCh(48, 13.442, 124.952)	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, 13.442, 124.952)

Conversions

Conversions Part 1

Format	Color
Hex	6C755F
RGB	108, 117, 95
RGB Percent	42%, 46%, 37%
CMY	0.5758, 0.5404, 0.6268
CMYK	0.08, 0.00, 0.19, 0.54
HSL	85°, 10%, 42%
HSV	85°, 19%, 46%
XYZ	14.6628, 16.7945, 13.3376
YIQ	111.8010, 1.6980, -8.7500

Conversions

Conversions Part 2

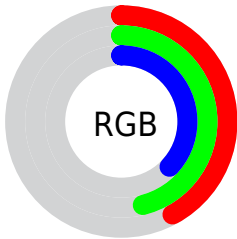
Format	Color
R_{YB}	95, 117, 104
Decimal	7107935
CIE _{Lab}	48.00, -7.70, 11.02
CIE _{LCh}	48, 13.442, 124.952
Yxy	16.7945, 0.3273, 0.3749
Android (android.graphics.Color)	4285298015 (0xFF6C755F)
YUV	111.8010, -8.2829, -3.3335
Hunter-Lab	40.9810, -7.8505, 9.3904

Details

The CIELCh color $48, 13.442, 124.952$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $42, 13.842, 306.766$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 13.626, 123.877$, and $28, 13.488, 126.074$ is the 20% darker color. If you saturate the color by 10%, you get $47, 20.554, 124.463$, and if you desaturate by 10%, it is $49, 6.283, 125.439$.

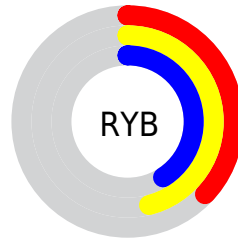
Distribution



Red (42%)

Green (46%)

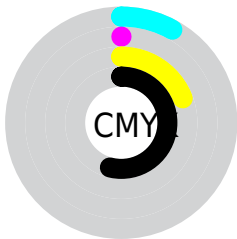
Blue (37%)



Red (37%)

Yellow (46%)

Blue (41%)

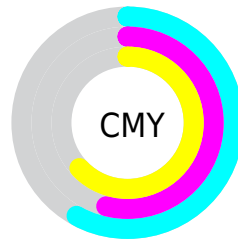


Cyan (8%)

Magenta (0%)

Yellow (19%)

Black (54%)



Cyan (58%)


Magenta (54%)


Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 13.442, 124.952 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, 13.442, 124.952 by changing the saturation by 10% instead.


 48, 13.442,
124.952


 48, 13.442,
124.952


 100, 13.442,
124.952


 38, 13.442,
124.952

 68, 13.442,
124.952


 28, 13.442,
124.952

 78, 13.442,
124.952

 18, 13.442,
124.952


 88, 13.442,
124.952

 8, 13.442, 124.952

 98, 13.442,
124.952

 0, 13.442, 124.952

 48, 13.442,

 48, 13.442,

124.952

124.952

■ 47, 20.554,
124.463

■ 49, 6.283, 125.439

■ 47, 27.550,
123.981

■ 49, 0.879, 305.821

■ 50, 8.009, 306.311

■ 46, 34.335,
123.536

■ 51, 15.084,
306.714

■ 46, 40.772,
123.175

■ 52, 22.085,
307.083

■ 45, 46.666,
122.965

■ 53, 29.001,
307.421

■ 45, 51.761,
122.997

■ 54, 35.820,
307.729

■ 45, 55.770,
123.379

■ 55, 42.538,
308.008

■ 44, 58.904,
124.003

■ 56, 49.151,

■ 44, 59.294,
124.064

308.261

Harmonies

Complementary

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



48, 13.442, 124.952



42, 13.842, 306.766

Rectangle

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



48, 13.442, 124.952



48, 13.442, 174.952



48, 13.442, 304.952



48, 13.442, 354.952

Sweetspot

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



48, 13.443, 124.955



63, 5.338, 125.566



45, 7.765, 62.050



32, 3.520, 125.543



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, 13.443, 124.955



61, 20.466, 124.719



47, 15.403, 140.738



24, 4.031, 125.427



46, 61.208, 124.138



89, 104.528, 125.022

Inverse Universe

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



42, 13.842, 306.766



52, 21.238, 307.036



43, 15.470, 322.573



23, 4.092, 306.252



16, 73.576, 310.417



37, 125.550, 309.832

Previews

White Background



This preview shows how the CIELCh color 48, 13.442, 124.952 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, 13.442, 124.952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

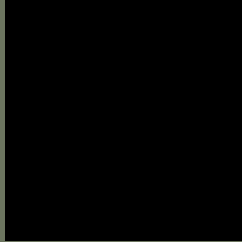
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

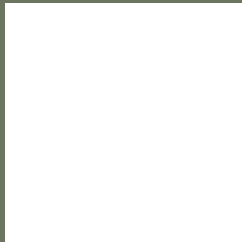
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 13.442, 124.952

Background



This preview shows how black text looks on a background with the CIELCh color 48, 13.442, 124.952.



This preview shows how white text looks on a background with the CIELCh color 48, 13.442, 124.952.

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, 13.442, 124.952

Protanopia

48, 12.573, 96.504

Deuteranopia

48, 11.991, 56.014



Tritanopia
48, 5.322, 286.674

Trichromacy



Original Color
48, 13.442, 124.952

Protanomaly
48, 12.292, 106.491

Deuteranomaly
48, 10.556, 82.014

Tritanomaly
48, 2.408, 152.215

Monochromacy



Original Color
48, 13.442, 124.952

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 4.876, 124.263

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 13.442, 124.952 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(108, 117, 95)` looks like.

```
.text, #text, p{  
    color:rgb(108, 117, 95)  
}
```

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(108, 117, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 117, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 13.442, 124.952 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(108, 117, 95) }
```

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

```
.border{ border-color:rgb(108, 117, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 117, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 117, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 117, 95);  
box-shadow:4px 4px 4px 4px rgb(108, 117,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 13.442, 124.952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 117, 95) }
```

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

```
.background{ background-color: rgb(108,  
117, 95) }
```

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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