

Converting Colors

CIELCh(48, 24.197, 117.811)

Have a look what the booklet for
CIELCh(48, 24.197, 117.811)
contains.

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Color

CIELCh(48, 24.121, 117.575)

Conversions

Conversions Part 1

Format	Color
Hex	6C764D
RGB	108, 118, 77
RGB Percent	42%, 46%, 30%
CMY	0.5750, 0.5358, 0.6967
CMYK	0.08, 0.00, 0.35, 0.54
HSL	75°, 21%, 38%
HSV	75°, 35%, 46%
XYZ	14.1017, 16.7945, 9.5832
YIQ	110.3360, 7.2010, -14.8710

Conversions

Conversions Part 2

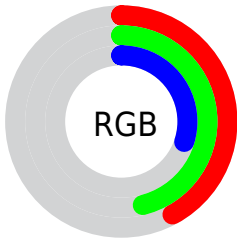
Format	Color
RYB	77, 118, 87
Decimal	7108173
CIELab	48.00, -11.17, 21.38
CIELCh	48, 24.121, 117.575
Yxy	16.7945, 0.3484, 0.4149
Android (android.graphics.Color)	4285298253 (0xFF6C764D)
YUV	110.3360, -16.4346, -2.0487
Hunter-Lab	40.9810, -10.2944, 14.8221

Details

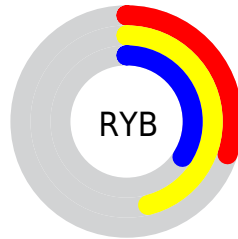
The CIELCh color $48, 24.121, 117.575$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $35, 25.921, 302.239$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 24.280, 117.376$, and $28, 24.145, 117.517$ is the 20% darker color. If you saturate the color by 10%, you get $48, 30.801, 117.001$, and if you desaturate by 10%, it is $48, 17.257, 118.184$.

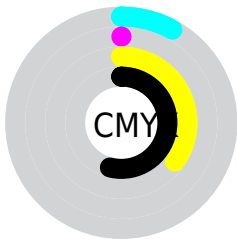
Distribution



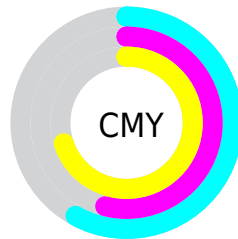
- Red (42%)
- Green (46%)
- Blue (30%)



- Red (30%)
- Yellow (46%)
- Blue (34%)



- Cyan (8%)
- Magenta (0%)
- Yellow (35%)
- Black (54%)





- Cyan (58%)
- Magenta (54%)
- Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 24.121, 117.575 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, 24.121, 117.575 by changing the saturation by 10% instead.


 48, 24.121,
117.575


 48, 24.121,
117.575


 100, 24.121,
117.575

 38, 24.121,
117.575

 68, 24.121,
117.575

 28, 24.121,
117.575

 78, 24.121,
117.575

 18, 24.121,
117.575

 88, 24.121,
117.575

 8, 24.121, 117.575

 98, 24.121,
117.575

 0, 24.121, 117.575

 48, 24.121,

 48, 24.121,

117.575

117.575

■ 48, 30.801,
117.001

■ 48, 17.257,
118.184

■ 47, 37.176,
116.490

■ 49, 10.288,
118.798

■ 47, 43.072,
116.097

■ 50, 3.269, 119.406

■ 47, 48.251,
115.890

■ 50, 3.762, 299.979

■ 46, 52.423,
115.955

■ 51, 10.777,
300.539

■ 46, 55.404,
116.351

■ 51, 17.756,
301.067

■ 46, 56.891,
116.567

■ 52, 24.684,
301.562

■ 53, 31.551,
302.025

■ 54, 38.347,
302.456

Harmonies

Complementary

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



48, 24.121, 117.575



35, 25.921, 302.239

Rectangle

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



48, 24.121, 117.575



48, 24.121, 167.575



48, 24.121, 297.575



48, 24.121, 347.575

Sweetspot

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



48, 24.122, 117.577



63, 8.664, 119.067



40, 15.717, 42.615



32, 5.876, 119.001



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, 24.122, 117.577



61, 35.807, 117.091



47, 27.191, 135.130



24, 3.923, 119.141



47, 58.286, 116.610



91, 99.165, 117.292

Inverse Universe

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



35, 25.921, 302.239



42, 39.299, 303.028



38, 27.774, 318.198



22, 3.996, 300.234



14, 75.803, 307.959



34, 129.292, 307.528

Previews

White Background



This preview shows how the CIELCh color 48, 24.121, 117.575 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, 24.121, 117.575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

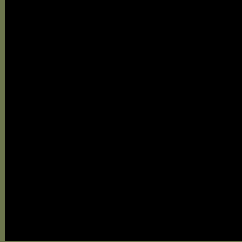
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

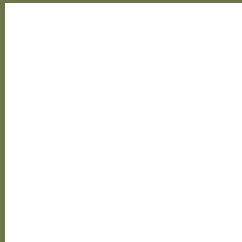
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 24.121, 117.575

Background



This preview shows how black text looks on a background with the CIELCh color 48, 24.121, 117.575.



This preview shows how white text looks on a background with the CIELCh color 48, 24.121, 117.575.

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, 24.121, 117.575

Protanopia

48, 23.052, 96.796

Deuteranopia

48, 21.751, 73.012



Tritanopia
48, 5.333, 295.127

Trichromacy



Original Color
48, 24.121, 117.575

Protanomaly
48, 23.183, 104.782

Deuteranomaly
48, 20.920, 89.676

Tritanomaly
48, 5.438, 122.656

Monochromacy



Original Color
48, 24.121, 117.575

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 8.984, 119.791

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 24.121, 117.575 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, 118, 77)` looks like.

```
.text, #text, p{  
    color:rgb(108, 118, 77)  
}
```

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, 118, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 118, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 24.121, 117.575 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, 118, 77) }
```

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

```
.border{ border-color:rgb(108, 118, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 118, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 118, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 118, 77);  
box-shadow:4px 4px 4px 4px rgb(108, 118,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 24.121, 117.575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 118, 77) }
```

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

```
.background{ background-color: rgb(108,  
118, 77) }
```

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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