

Converting Colors

CIELCh(48, 12.688, 107.722)

Have a look what the booklet for
CIELCh(48, 12.688, 107.722)
contains.

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Color

CIELCh(48, 12.292, 106.491)

Conversions

Conversions Part 1

Format	Color
Hex	74735E
RGB	116, 115, 94
RGB Percent	45%, 45%, 37%
CMY	0.5449, 0.5489, 0.6312
CMYK	0.00, 0.01, 0.19, 0.54
HSL	57°, 10%, 41%
HSV	57°, 19%, 46%
XYZ	15.3645, 16.7945, 13.0302
YIQ	112.9050, 7.3370, -6.3190

Conversions

Conversions Part 2

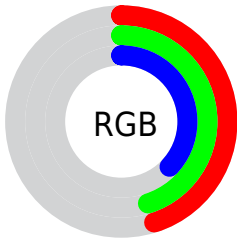
Format	Color
R_{YB}	95, 116, 94
Decimal	7631710
CIE _{Lab}	48.00, -3.49, 11.79
CIE _{LCh}	48, 12.292, 106.491
Yxy	16.7945, 0.3400, 0.3716
Android (android.graphics.Color)	4285821790 (0xFF74735E)
YUV	112.9050, -9.3202, 2.7143
Hunter-Lab	40.9810, -4.7939, 9.8350

Details

The CIELCh color $48, 12.292, 106.491$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $41, 12.763, 290.370$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 12.594, 107.060$, and $28, 12.168, 105.475$ is the 20% darker color. If you saturate the color by 10%, you get $48, 18.714, 105.532$, and if you desaturate by 10%, it is $48, 5.815, 107.451$.

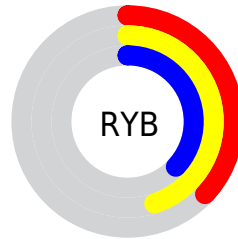
Distribution



Red (45%)

Green (45%)

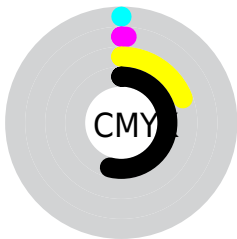
Blue (37%)



Red (37%)

Yellow (45%)

Blue (37%)

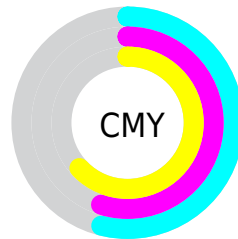


Cyan (0%)

Magenta (1%)

Yellow (19%)

Black (54%)



Cyan (54%)


Magenta (55%)

Yellow (63%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 12.292, 106.491 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, 12.292, 106.491 by changing the saturation by 10% instead.

 48, 12.292,
106.491


 48, 12.292,
106.491


 100, 12.292,
106.491


 38, 12.292,
106.491

 68, 12.292,
106.491


 28, 12.292,
106.491

 78, 12.292,
106.491

 18, 12.292,
106.491


 88, 12.292,
106.491

 8, 12.292, 106.491

 98, 12.292,
106.491

 0, 12.292, 106.491

 48, 12.292,

 48, 12.292,

106.491

106.491

■ 48, 18.714,
105.532

■ 48, 5.815, 107.451

■ 47, 25.021,
104.574

■ 49, 0.683, 288.485

■ 49, 7.178, 289.331

■ 47, 31.126,
103.639

■ 50, 13.654,
290.216

■ 47, 36.892,
102.748

■ 51, 20.100,
291.068

■ 46, 42.118,
101.925

■ 51, 26.509,
291.883

■ 46, 46.530,
101.199

■ 52, 32.875,
292.659

■ 46, 49.815,
100.593

■ 52, 39.194,
293.395

■ 46, 52.220,
100.081

■ 53, 45.462,

■ 46, 52.481,
100.028

294.090

Harmonies

Complementary

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



48, 12.292, 106.491



41, 12.763, 290.370

Rectangle

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



48, 12.292, 106.491



48, 12.292, 156.491



48, 12.292, 286.491



48, 12.292, 336.491

Sweetspot

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



48, 12.293, 106.497



62, 4.816, 107.714



42, 9.512, 16.699



32, 3.220, 107.670



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, 12.293, 106.497



61, 18.426, 106.051



47, 13.581, 126.455



24, 3.686, 107.443



48, 54.516, 100.011



92, 92.266, 99.847

Inverse Universe

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



41, 12.763, 290.370



50, 19.321, 290.970



42, 13.957, 308.189



22, 3.755, 289.223



13, 75.276, 305.400



32, 129.996, 305.912

Previews

White Background



This preview shows how the CIELCh color 48, 12.292, 106.491 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, 12.292, 106.491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

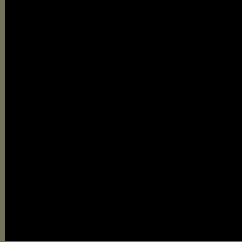
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 12.292, 106.491

Background



This preview shows how black text looks on a background with the CIELCh color 48, 12.292, 106.491.



This preview shows how white text looks on a background with the CIELCh color 48, 12.292, 106.491.

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

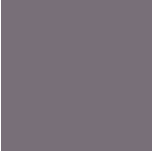
48, 12.292, 106.491

Protanopia

48, 12.573, 96.504

Deuteranopia

48, 12.836, 63.083



Tritanopia
48, 6.454, 324.806

Trichromacy



Original Color
48, 12.292, 106.491

Protanomaly
48, 12.489, 98.469

Deuteranomaly
48, 11.735, 77.434

Tritanomaly
48, 2.939, 31.138

Monochromacy



Original Color
48, 12.292, 106.491

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 4.698, 109.531

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 12.292, 106.491 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(116, 115, 94)` looks like.

```
.text, #text, p{  
    color:rgb(116, 115, 94)  
}
```

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(116, 115, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 115, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 12.292, 106.491 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(116, 115, 94) }
```

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

```
.border{ border-color:rgb(116, 115, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 115, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 115, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 115, 94);  
box-shadow:4px 4px 4px 4px rgb(116, 115,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 12.292, 106.491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 115, 94) }
```

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

```
.background{ background-color: rgb(116,  
115, 94) }
```

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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