

Converting Colors

CIELCh(47, 12.299, 50.733)

Have a look what the booklet for
CIELCh(47, 12.299, 50.733) contains.

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Color

CIELCh(47, 12.120, 49.348)

Conversions

Conversions Part 1	
Format	Color
Hex	826A60
RGB	130, 106, 96
RGB Percent	51%, 42%, 38%
CMY	0.4886, 0.5828, 0.6220
CMYK	0.00, 0.18, 0.26, 0.49
HSL	18°, 15%, 44%
HSV	18°, 26%, 51%
XYZ	16.5932, 16.0195, 13.3771
YIQ	112.0360, 17.5140, 1.9780

Conversions

Conversions Part 2

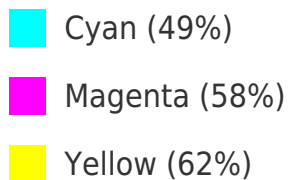
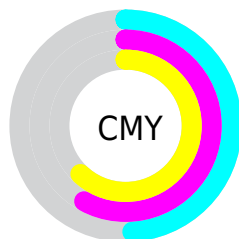
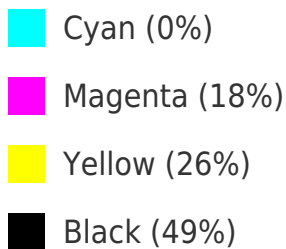
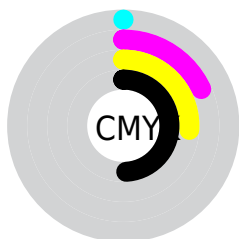
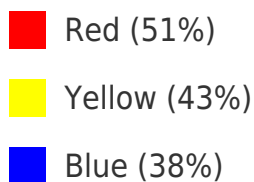
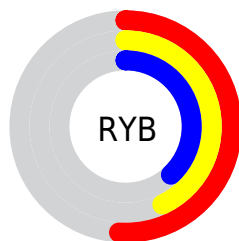
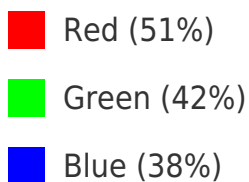
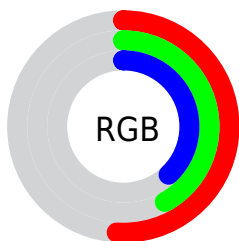
Format	Color
RYB	130, 110, 96
Decimal	8546912
CIELab	47.00, 7.90, 9.20
CIELCh	47, 12.120, 49.348
Yxy	16.0195, 0.3608, 0.3483
Android (android.graphics.Color)	4286736992 (0xFF826A60)
YUV	112.0360, -7.9057, 15.7544
Hunter-Lab	40.0243, 3.9594, 8.2008

Details

The CIELCh color $47, 12.120, 49.348$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $49, 10.434, 233.114$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 11.841, 47.759$, and $27, 12.037, 49.594$ is the 20% darker color. If you saturate the color by 10%, you get $44, 17.411, 48.942$, and if you desaturate by 10%, it is $50, 7.201, 49.844$.













Distribution





Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 12.120, 49.348 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 47, 12.120, 49.348 by changing the saturation by 10% instead.

 47, 12.120, 49.348	 47, 12.120, 49.348
 100, 12.120, 49.348	 37, 12.120, 49.348
 67, 12.120, 49.348	 27, 12.120, 49.348
 77, 12.120, 49.348	 17, 12.120, 49.348
 87, 12.120, 49.348	 7, 12.120, 49.348
 97, 12.120, 49.348	 0, 12.120, 49.348

 47, 12.120, 49.348	 47, 12.120, 49.348
 44, 17.411, 48.942	 50, 7.201, 49.844
 42, 23.091, 48.628	 53, 2.627, 50.326

 39, 29.154, 48.429

 56, 1.633, 231.312


 37, 35.550, 48.342

 59, 5.613, 231.799


 34, 42.141, 48.319

 62, 9.345, 232.438


 32, 48.606, 48.204


 65, 12.859,
233.099

 31, 54.449, 47.811

 68, 16.179,
233.765

 30, 56.654, 47.780

 71, 19.331,
234.427

 74, 22.335,
235.078

Harmonies

Complementary

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



47, 12.120, 49.348



49, 10.434, 233.114

Rectangle

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



47, 12.120, 49.348



47, 12.120, 99.348



47, 12.120, 229.348



47, 12.120, 279.348

Sweetspot

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



47, 12.119, 49.357



66, 4.283, 50.239



45, 19.886, 335.370



34, 3.045, 50.177



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47, 12.119, 49.357



58, 18.116, 49.114



52, 15.715, 96.424



26, 2.494, 50.194



30, 56.523, 47.778



0, 0.580, 50.830

Inverse Universe

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



49, 10.434, 233.114



61, 15.031, 233.798



44, 16.109, 282.839



27, 2.378, 231.566



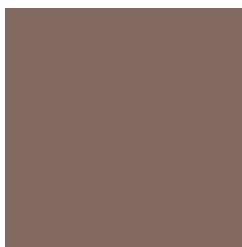
36, 29.073, 253.400



0, 0.580, 230.849

Previews

White Background



This preview shows how the CIELCh color 47, 12.120, 49.348 looks on a white background.

Color Contrast Check

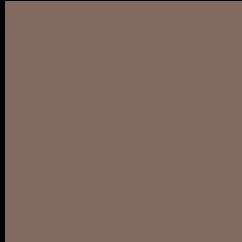
Large Text (above 18pt) WCAG AA ✓ Pass

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 47, 12.120, 49.348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

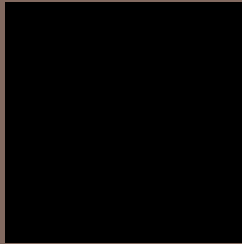
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 12.120, 49.348

Background



This preview shows how black text looks on a background with the CIELCh color 47, 12.120, 49.348.

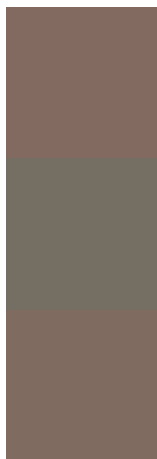


This preview shows how white text looks on a background with the CIELCh color 47, 12.120, 49.348.

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

47, 12.120, 49.348

Protanopia

47, 7.514, 89.272

Deuteranopia

47, 11.298, 55.039



Tritanopia

47, 12.550, 359.041

Trichromacy



Original Color

47, 12.120, 49.348

Protanomaly

47, 8.592, 68.564

Deuteranomaly

47, 11.669, 53.810

Tritanomaly

47, 11.043, 17.720

Monochromacy



Original Color

47, 12.120, 49.348

Achromatopsia

47, 0.006, 296.813

Achromatomaly

47, 4.438, 51.727

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 12.120, 49.348 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(130, 106, 96)` looks like.

```
.text, #text, p{  
    color:rgb(130, 106, 96)  
}
```

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(130, 106, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 106, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 12.120, 49.348 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(130, 106, 96) }
```

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

```
.border{ border-color:rgb(130, 106, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 106, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 106, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 106, 96);  
box-shadow:4px 4px 4px 4px rgb(130, 106,  
96) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 12.120, 49.348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 106, 96) }
```

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

```
.background{ background-color: rgb(130,  
106, 96) }
```

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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