

Converting Colors

CIELCh(47, 21.611, 107.052)

Have a look what the booklet for
CIELCh(47, 21.611, 107.052)
contains.

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Color

CIELCh(47, 22.096, 107.123)

Conversions

Conversions Part 1

Format	Color
Hex	72724C
RGB	114, 114, 76
RGB Percent	45%, 45%, 30%
CMY	0.5544, 0.5544, 0.7033
CMYK	0.00, 0.00, 0.33, 0.55
HSL	60°, 20%, 37%
HSV	60°, 33%, 45%
XYZ	14.1577, 16.0195, 9.1192
YIQ	109.6680, 12.1980, -11.8180

Conversions

Conversions Part 2

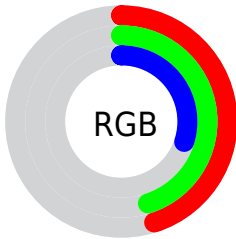
Format	Color
RYB	76, 114, 76
Decimal	7500364
CIELab	47.00, -6.51, 21.12
CIELCh	47, 22.096, 107.123
Yxy	16.0195, 0.3603, 0.4077
Android (android.graphics.Color)	4285690444 (0xFF72724C)
YUV	109.6680, -16.5983, 3.7992
Hunter-Lab	40.0243, -6.9022, 14.5083

Details

The CIELCh color $47, 22.096, 107.123$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $34, 23.886, 294.150$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 22.377, 107.831$, and $27, 21.991, 107.070$ is the 20% darker color. If you saturate the color by 10%, you get $47, 28.442, 106.238$, and if you desaturate by 10%, it is $47, 15.578, 108.039$.

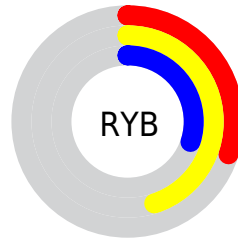
Distribution



Red (45%)

Green (45%)

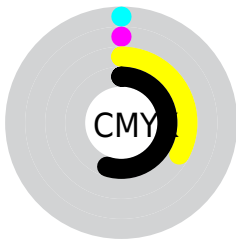
Blue (30%)



Red (30%)

Yellow (45%)

Blue (30%)

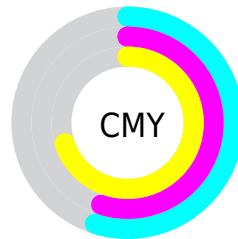


Cyan (0%)

Magenta (0%)

Yellow (33%)

Black (55%)



Cyan (55%)


Magenta (55%)


Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 22.096, 107.123 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, 22.096, 107.123 by changing the saturation by 10% instead.

 47, 22.096,
107.123


 47, 22.096,
107.123


 100, 22.096,
107.123


 37, 22.096,
107.123

 67, 22.096,
107.123


 27, 22.096,
107.123

 77, 22.096,
107.123

 17, 22.096,
107.123

 87, 22.096,
107.123

 7, 22.096, 107.123

 97, 22.096,
107.123

 0, 22.096, 107.123

 47, 22.096,

 47, 22.096,

107.123

107.123

■ 47, 28.442,
106.238

■ 47, 15.578,
108.039

■ 47, 34.499,
105.395

■ 47, 8.957, 108.958

■ 47, 40.104,
104.625

■ 48, 2.285, 109.859

■ 48, 4.407, 290.785

■ 46, 45.026,
103.960

■ 48, 11.097,
291.653

■ 46, 48.983,
103.436

■ 49, 17.770,
292.495

■ 46, 51.749,
103.076

■ 49, 24.414,
293.304

■ 46, 53.378,
102.866

■ 50, 31.021,
294.075

■ 50, 37.583,

Harmonies

Complementary

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



47, 22.096, 107.123



34, 23.886, 294.150

Rectangle

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



47, 22.096, 107.123



47, 22.096, 157.123



47, 22.096, 287.123



47, 22.096, 337.123

Sweetspot

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



47, 22.097, 107.126



61, 8.285, 109.247



36, 17.401, 22.124



31, 5.615, 109.149



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



47, 22.097, 107.126



60, 32.600, 106.446



45, 23.741, 127.590



23, 3.716, 109.363



49, 55.449, 102.866



95, 94.699, 102.867

Inverse Universe

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



34, 23.886, 294.150



40, 36.034, 295.371



35, 24.824, 310.621



21, 3.792, 291.064



12, 76.564, 306.288



31, 130.762, 306.288

Previews

White Background



This preview shows how the CIE LCh color 47, 22.096, 107.123 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 47, 22.096, 107.123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

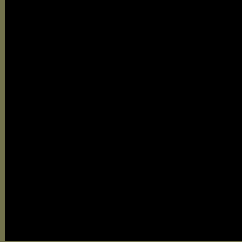
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 22.096, 107.123

Background



This preview shows how black text looks on a background with the CIELCh color 47, 22.096, 107.123.



This preview shows how white text looks on a background with the CIELCh color 47, 22.096, 107.123.

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, 22.096, 107.123

Protanopia

47, 21.562, 94.995

Deuteranopia

47, 21.555, 73.929



Tritanopia
47, 6.971, 330.410

Trichromacy



Original Color
47, 22.096, 107.123

Protanomaly
47, 21.766, 99.959

Deuteranomaly
47, 20.429, 85.141

Tritanomaly
47, 5.564, 77.374

Monochromacy



Original Color
47, 22.096, 107.123

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 8.256, 109.026

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 22.096, 107.123 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(114, 114, 76)` looks like.

```
.text, #text, p{  
    color:rgb(114, 114, 76)  
}
```

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(114, 114, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 114, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 22.096, 107.123 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(114, 114, 76) }
```

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

```
.border{ border-color:rgb(114, 114, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 114, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 114, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 114, 76);  
box-shadow:4px 4px 4px 4px rgb(114, 114,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 22.096, 107.123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 114, 76) }
```

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

```
.background{ background-color: rgb(114,  
114, 76) }
```

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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