

Converting Colors

CIELCh(47, 28.755, 106.982)

Have a look what the booklet for
CIELCh(47, 28.755, 106.982)
contains.

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Color

CIELCh(47, 28.791, 107.105)

Conversions

Conversions Part 1

Format	Color
Hex	717240
RGB	113, 114, 64
RGB Percent	44%, 45%, 25%
CMY	0.5555, 0.5516, 0.7478
CMYK	0.01, 0.00, 0.44, 0.55
HSL	61°, 28%, 35%
HSV	61°, 44%, 45%
XYZ	13.8455, 16.0195, 7.2608
YIQ	108.0010, 15.4540, -15.7620

Conversions

Conversions Part 2

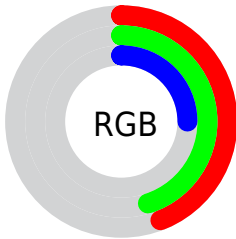
Format	Color
RYB	64, 114, 65
Decimal	7434816
CIELab	47.00, -8.47, 27.52
CIELCh	47, 28.791, 107.105
Yxy	16.0195, 0.3729, 0.4315
Android (android.graphics.Color)	4285624896 (0xFF717240)
YUV	108.0010, -21.6925, 4.3841
Hunter-Lab	40.0243, -8.2944, 17.2612

Details

The CIELCh color $47, 28.791, 107.105$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $30, 32.094, 296.399$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 28.793, 107.148$, and $27, 28.537, 106.534$ is the 20% darker color. If you saturate the color by 10%, you get $47, 34.868, 106.297$, and if you desaturate by 10%, it is $47, 22.422, 107.967$.

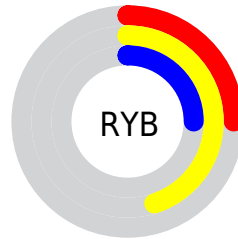
Distribution



Red (44%)

Green (45%)

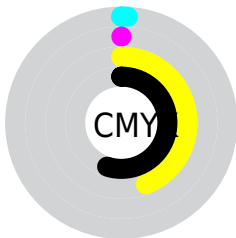
Blue (25%)



Red (25%)

Yellow (45%)

Blue (25%)

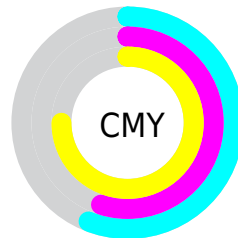


Cyan (1%)

Magenta (0%)

Yellow (44%)

Black (55%)



Cyan (56%)


Magenta (55%)

Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 28.791, 107.105 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, 28.791, 107.105 by changing the saturation by 10% instead.


 47, 28.791,
107.105

 47, 28.791,
107.105


 100, 28.791,
107.105


 37, 28.791,
107.105

 67, 28.791,
107.105


 27, 28.791,
107.105

 77, 28.791,
107.105

 17, 28.791,
107.105

 87, 28.791,
107.105

 7, 28.791, 107.105

 97, 28.791,
107.105

 0, 28.791, 107.105

 47, 28.791,

 47, 28.791,

107.105

■ 47, 34.868,
106.297

■ 47, 40.481,
105.563

■ 47, 45.400,
104.943

■ 46, 49.340,
104.476

■ 46, 52.084,
104.189

■ 46, 53.636,
104.033

107.105

■ 47, 22.422,
107.967

■ 47, 15.874,
108.852

■ 48, 9.221, 109.743

■ 48, 2.514, 110.618

■ 48, 4.215, 291.511

■ 49, 10.942,
292.351

■ 49, 17.651,
293.164

■ 50, 24.331,
293.943

■ 50, 30.973,

Harmonies

Complementary

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



47, 28.791, 107.105



30, 32.094, 296.399

Rectangle

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



47, 28.791, 107.105



47, 28.791, 157.105



47, 28.791, 287.105



47, 28.791, 337.105

Sweetspot

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



47, 28.792, 107.108



61, 10.768, 109.780



34, 23.351, 24.681



31, 7.483, 109.622



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, 28.792, 107.108



60, 41.685, 106.330



45, 31.174, 127.713



23, 3.717, 110.164



49, 55.469, 104.039



94, 94.737, 104.106

Inverse Universe

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



30, 32.094, 296.399



34, 47.998, 298.098



32, 33.024, 311.688



21, 3.793, 291.808



12, 76.442, 306.385



31, 130.675, 306.328

Previews

White Background



This preview shows how the CIELCh color 47, 28.791, 107.105 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, 28.791, 107.105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

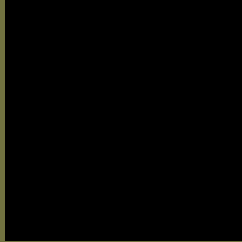
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 28.791, 107.105

Background



This preview shows how black text looks on a background with the CIELCh color 47, 28.791, 107.105.



This preview shows how white text looks on a background with the CIELCh color 47, 28.791, 107.105.

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, 28.791, 107.105

Protanopia

47, 28.314, 95.783

Deuteranopia

47, 27.468, 76.926



Tritanopia
47, 6.971, 330.410

Trichromacy



Original Color
47, 28.791, 107.105

Protanomaly
47, 28.516, 99.638

Deuteranomaly
47, 27.115, 88.380

Tritanomaly
47, 7.685, 86.232

Monochromacy



Original Color
47, 28.791, 107.105

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 10.622, 108.684

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 28.791, 107.105 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(113, 114, 64)` looks like.

```
.text, #text, p{  
    color:rgb(113, 114, 64)  
}
```

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(113, 114, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 114, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 28.791, 107.105 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(113, 114, 64) }
```

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

```
.border{ border-color:rgb(113, 114, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 114, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 114, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 114, 64);  
box-shadow:4px 4px 4px 4px rgb(113, 114,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 28.791, 107.105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 114, 64) }
```

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

```
.background{ background-color: rgb(113,  
114, 64) }
```

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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