

Converting Colors

CIELCh(47, 1.306, 109.838)

Have a look what the booklet for
CIELCh(47, 1.306, 109.838) contains.

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Color

CIELCh(47, 1.764, 109.912)

Conversions

Conversions Part 1

Format	Color
Hex	70706D
RGB	112, 112, 109
RGB Percent	44%, 44%, 43%
CMY	0.5623, 0.5623, 0.5740
CMYK	0.00, 0.00, 0.03, 0.56
HSL	60°, 1%, 43%
HSV	60°, 3%, 44%
XYZ	15.1252, 16.0195, 16.6556
YIQ	111.6580, 0.9630, -0.9330

Conversions

Conversions Part 2

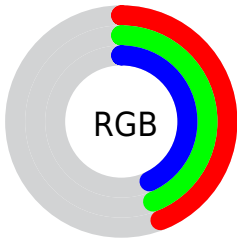
Format	Color
R_{YB}	109, 112, 109
Decimal	7368813
CIE Lab	47.00, -0.60, 1.66
CIE LCh	47, 1.764, 109.912
Yxy	16.0195, 0.3164, 0.3351
Android (android.graphics.Color)	4285558893 (0xFF70706D)
YUV	111.6580, -1.3104, 0.2999
Hunter-Lab	40.0243, -2.5874, 3.3442

Details

The CIELCh color $47, 1.764, 109.912$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 1.787, 290.476$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 2.195, 109.925$, and $27, 1.295, 109.895$ is the 20% darker color. If you saturate the color by 10%, you get $47, 8.343, 109.048$, and if you desaturate by 10%, it is $47, 4.830, 290.867$.

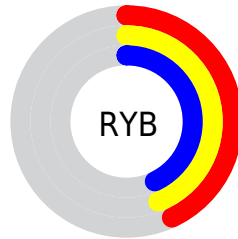
Distribution



Red (44%)

Green (44%)

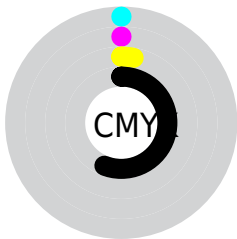
Blue (43%)



Red (43%)

Yellow (44%)

Blue (43%)

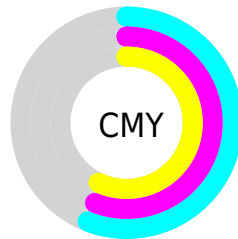


Cyan (0%)

Magenta (0%)

Yellow (3%)

Black (56%)



Cyan (56%)













Magenta (56%)







Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 1.764, 109.912 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, 1.764, 109.912 by changing the saturation by 10% instead.

 47, 1.764, 109.912	 47, 1.764, 109.912
 100, 1.764, 109.912	 37, 1.764, 109.912
 67, 1.764, 109.912	 27, 1.764, 109.912
 77, 1.764, 109.912	 17, 1.764, 109.912
 87, 1.764, 109.912	 7, 1.764, 109.912
 97, 1.764, 109.912	 0, 1.764, 109.912

 47, 1.764, 109.912	 47, 1.764, 109.912
 47, 8.343, 109.048	 47, 4.830, 290.867
 46, 14.872, 108.132	 48, 11.422, 291.731

■ 46, 21.306,
107.220

■ 48, 17.996,
292.569

■ 46, 27.576,
106.331

■ 49, 24.541,
293.372

■ 46, 33.574,
105.486

■ 49, 31.049,
294.139

■ 46, 39.143,
104.711

■ 50, 37.512,
294.866

■ 46, 44.063,
104.038

■ 50, 43.926,
295.554

■ 46, 48.059,
103.502

■ 51, 50.286,
296.202

■ 46, 50.886,
103.130

■ 51, 56.587,
296.811

Harmonies

Complementary

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



47, 1.764, 109.912



46, 1.787, 290.476

Rectangle

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



47, 1.764, 109.912



47, 1.764, 159.912



47, 1.764, 289.912



47, 1.764, 339.912

Sweetspot

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



47, 1.765, 109.940



60, 0.811, 110.052



46, 1.231, 19.266



31, 0.464, 110.054



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, 1.765, 109.940



60, 2.448, 109.908



47, 1.877, 129.000



23, 1.485, 109.864



49, 55.449, 102.895



95, 94.700, 102.897

Inverse Universe

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



46, 1.787, 290.476



59, 2.478, 290.510



46, 1.895, 309.138



23, 1.504, 290.557



12, 76.561, 306.291



31, 130.760, 306.289

Previews

White Background



This preview shows how the CIELCh color 47, 1.764, 109.912 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, 1.764, 109.912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

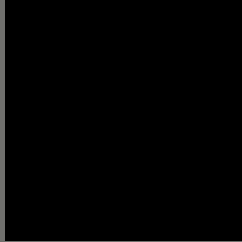
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

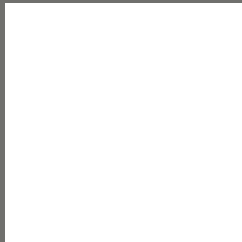
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 1.764, 109.912

Background



This preview shows how black text looks on a background with the CIELCh color 47, 1.764, 109.912.



This preview shows how white text looks on a background with the CIELCh color 47, 1.764, 109.912.

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, 1.764, 109.912

Protanopia

47, 2.148, 74.703

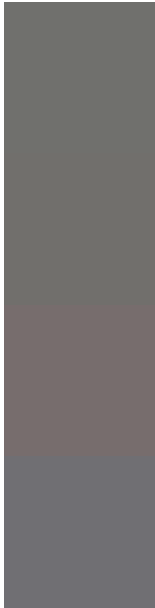
Deuteranopia

47, 6.280, 14.749



Tritanopia
47, 5.484, 303.439

Trichromacy



Original Color
47, 1.764, 109.912

Protanomaly
47, 1.942, 84.796

Deuteranomaly
47, 4.146, 19.817

Tritanomaly
47, 2.411, 300.106

Monochromacy



Original Color
47, 1.764, 109.912

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 0.585, 110.026

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 1.764, 109.912 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(112, 112, 109)` looks like.

```
.text, #text, p{  
    color:rgb(112, 112, 109)  
}
```

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(112, 112, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 112, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 1.764, 109.912 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(112, 112, 109) }
```

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

```
.border{ border-color:rgb(112, 112, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 112, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 112, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 112, 109);  
box-shadow:4px 4px 4px 4px rgb(112, 112,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 1.764, 109.912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 112, 109) }
```

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

```
.background{ background-color: rgb(112,  
112, 109) }
```

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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