

Converting Colors

CIELCh(47, 3.230, 108.810)

Have a look what the booklet for
CIELCh(47, 3.230, 108.810) contains.

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Color

CIELCh(47, 3.534, 109.681)

Conversions

Conversions Part 1

Format	Color
Hex	70706A
RGB	112, 112, 106
RGB Percent	44%, 44%, 42%
CMY	0.5615, 0.5615, 0.5850
CMYK	0.00, 0.00, 0.05, 0.56
HSL	60°, 3%, 43%
HSV	60°, 5%, 44%
XYZ	15.0267, 16.0195, 15.8880
YIQ	111.3160, 1.9260, -1.8660

Conversions

Conversions Part 2

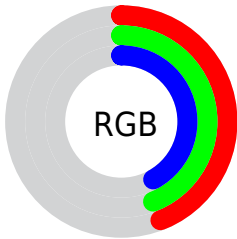
Format	Color
RYB	106, 112, 106
Decimal	7368810
CIELab	47.00, -1.19, 3.33
CIElCh	47, 3.534, 109.681
Yxy	16.0195, 0.3202, 0.3413
Android (android.graphics.Color)	4285558890 (0xFF70706A)
YUV	111.3160, -2.6208, 0.5999
Hunter-Lab	40.0243, -3.0267, 4.4813

Details

The CIELCh color **47, 3.534, 109.681** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **45, 3.585, 290.708**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 3.847, 109.763**, and **27, 3.242, 109.515** is the 20% darker color. If you saturate the color by 10%, you get **47, 10.113, 108.789**, and if you desaturate by 10%, it is **47, 3.068, 290.622**.

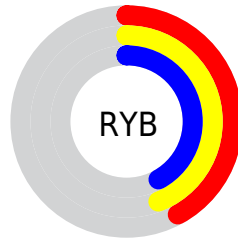
Distribution



Red (44%)

Green (44%)

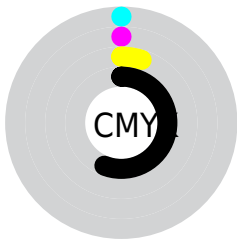
Blue (42%)



Red (42%)

Yellow (44%)

Blue (42%)

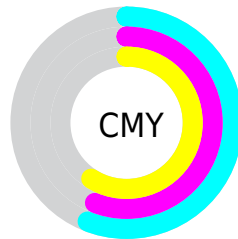


Cyan (0%)

Magenta (0%)

Yellow (5%)

Black (56%)



Cyan (56%)

Magenta (56%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 3.534, 109.681 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, 3.534, 109.681 by changing the saturation by 10% instead.

■ 47, 3.534, 109.681

■ 47, 3.534, 109.681

■ 100, 3.534,
109.681

■ 37, 3.534, 109.681

■ 67, 3.534, 109.681

■ 27, 3.534, 109.681

■ 77, 3.534, 109.681

■ 17, 3.534, 109.681

■ 87, 3.534, 109.681

■ 7, 3.534, 109.681

■ 97, 3.534, 109.681

■ 0, 3.534, 109.681

■ 47, 3.534, 109.681

■ 47, 3.534, 109.681

■ 47, 10.113,
108.789

■ 47, 3.068, 290.622

■ 46, 16.632,

■ 48, 9.672, 291.490

107.872

■ 48, 16.262,
292.336

■ 46, 23.040,
106.964

■ 49, 22.826,
293.150

■ 46, 29.259,
106.084

■ 49, 29.354,
293.927

■ 46, 35.169,
105.254

■ 49, 35.840,
294.665

■ 46, 40.596,
104.502

■ 50, 42.278,
295.364

■ 46, 45.302,
103.862

■ 51, 48.662,
296.024

■ 46, 49.006,
103.367

■ 51, 54.988,
296.644

■ 46, 51.608,
103.026

Harmonies

Complementary

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



47, 3.534, 109.681



45, 3.585, 290.708

Rectangle

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



47, 3.534, 109.681



47, 3.534, 159.681



47, 3.534, 289.681



47, 3.534, 339.681

Sweetspot

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



47, 3.535, 109.696



60, 1.630, 109.977



45, 2.487, 19.570



31, 0.933, 109.989



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, 3.535, 109.696



60, 4.902, 109.625



47, 3.762, 128.868



23, 2.601, 109.612



49, 55.449, 102.875



95, 94.700, 102.876

Inverse Universe

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



45, 3.585, 290.708



57, 4.977, 290.785



45, 3.798, 309.271



22, 2.642, 290.799



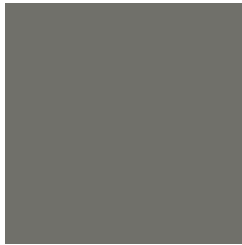
12, 76.563, 306.289



31, 130.761, 306.288

Previews

White Background



This preview shows how the CIELCh color 47, 3.534, 109.681 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, 3.534, 109.681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

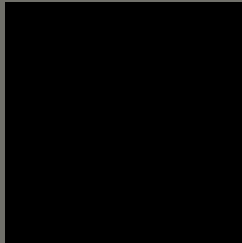
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

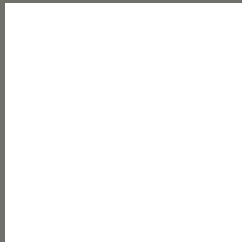
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 3.534, 109.681

Background



This preview shows how black text looks on a background with the CIELCh color 47, 3.534, 109.681.

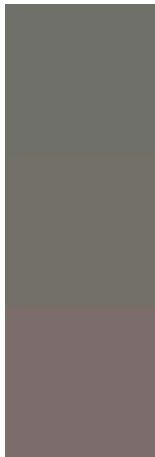


This preview shows how white text looks on a background with the CIELCh color 47, 3.534, 109.681.

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, 3.534, 109.681

Protanopia

47, 3.901, 84.328

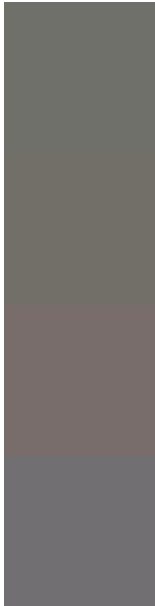
Deuteranopia

47, 6.747, 25.146



Tritanopia
47, 5.588, 307.431

Trichromacy



Original Color
47, 3.534, 109.681

Protanomaly
47, 3.743, 90.158

Deuteranomaly
47, 4.742, 34.223

Tritanomaly
47, 1.965, 314.714

Monochromacy



Original Color
47, 3.534, 109.681

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 1.176, 109.980

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 3.534, 109.681 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, 106)` looks like.

```
.text, #text, p{  
    color:rgb(112, 112, 106)  
}
```

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, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 112, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 3.534, 109.681 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, 106) }
```

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

```
.border{ border-color:rgb(112, 112, 106) }
```

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, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 112, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 112, 106);  
box-shadow:4px 4px 4px 4px rgb(112, 112,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 3.534, 109.681 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, 106) }
```

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

```
.background{ background-color: rgb(112,  
112, 106) }
```

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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