

# Converting Colors

CIELCh(47, 3.201, 325.241)

Have a look what the booklet for  
CIELCh(47, 3.201, 325.241) contains.

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# Color

**CIELCh(47, 3.607, 324.620)**

# Conversions

## Conversions Part 1

Format	Color
Hex	736E73
RGB	115, 110, 115
RGB Percent	45%, 43%, 45%
CMY	0.5492, 0.5688, 0.5492
CMYK	0.00, 0.04, 0.00, 0.55
HSL	300°, 2%, 44%
HSV	300°, 4%, 45%
XYZ	15.7261, 16.0195, 18.4680
YIQ	112.0650, 1.3750, 2.6150

# Conversions

## Conversions Part 2

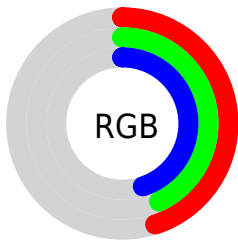
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	115, 110, 115
Decimal	7564915
CIE <sub>Lab</sub>	47.00, 2.94, -2.09
CIE <sub>LCh</sub>	47, 3.607, 324.620
Yxy	16.0195, 0.3132, 0.3190
Android (android.graphics.Color)	4285754995 (0xFF736E73)
YUV	112.0650, 1.4470, 2.5740
Hunter-Lab	40.0243, 0.0925, 0.6594

# Details

The CIELCh color  $47, 3.607, 324.620$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $48, 3.594, 144.257$ , and the grayscale version is  $47, 0.006, 296.813$ .

A 20% lighter version of the original color is  $67, 3.369, 324.536$ , and  $27, 3.169, 324.692$  is the 20% darker color. If you saturate the color by 10%, you get  $44, 11.959, 325.174$ , and if you desaturate by 10%, it is  $50, 4.632, 144.190$ .

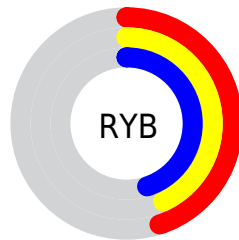
# Distribution



Red (45%)

Green (43%)

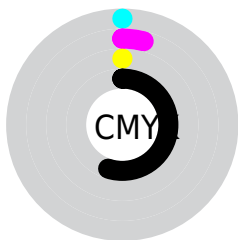
Blue (45%)



Red (45%)

Yellow (43%)

Blue (45%)

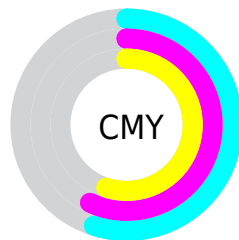


Cyan (0%)

Magenta (4%)

Yellow (0%)

Black (55%)



Cyan (55%)

Magenta (57%)

Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 3.607, 324.620 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, 3.607, 324.620 by changing the saturation by 10% instead.



■ 47, 3.607, 324.620

■ 47, 3.607, 324.620

■ 100, 3.607,  
324.620

■ 37, 3.607, 324.620

■ 67, 3.607, 324.620

■ 27, 3.607, 324.620

■ 77, 3.607, 324.620

■ 17, 3.607, 324.620

■ 87, 3.607, 324.620

■ 7, 3.607, 324.620

■ 97, 3.607, 324.620

■ 0, 3.607, 324.620

■ 47, 3.607, 324.620

■ 47, 3.607, 324.620

■ 44, 11.959,  
325.174

■ 50, 4.632, 144.190

■ 41, 20.335,

■ 54, 12.692,  
143.665

325.697

57, 20.542,  
143.176

38, 28.595,  
326.201

60, 28.162,  
142.711

35, 36.552,  
326.677

64, 35.547,  
142.272

33, 43.963,  
327.110

67, 42.699,  
141.858

31, 50.547,  
327.485

71, 49.626,  
141.469

29, 56.012,  
327.790

74, 56.338,  
141.107

28, 60.120,  
328.014

78, 62.845,  
140.769

27, 62.824,  
328.160

# Harmonies

# Complementary

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



47, 3.607, 324.620



48, 3.594, 144.257

# Rectangle

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



47, 3.607, 324.620



47, 3.607, 14.620



47, 3.607, 144.620



47, 3.607, 194.620

# Sweetspot

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



47, 3.606, 324.620



62, 1.036, 324.294



47, 2.917, 289.937



32, 0.594, 324.273



82, 0.010, 296.813



33, 0.005, 296.813



# Same Dimension

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



47, 3.606, 324.620



60, 5.171, 324.668



47, 2.562, 342.992



24, 2.849, 324.686



28, 67.130, 328.232



59, 113.811, 328.232





# Inverse Universe

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



47, 2.053, 19.475



60, 2.953, 19.550



48, 2.542, 162.537



23, 1.628, 19.577



24, 59.042, 37.988



52, 102.986, 40.000



# Previews

## White Background



This preview shows how the CIELCh color 47, 3.607, 324.620 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, 3.607, 324.620 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

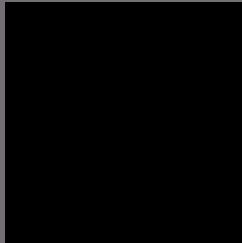
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 47, 3.607, 324.620

## Background



This preview shows how black text looks on a background with the CIELCh color 47, 3.607, 324.620.



This preview shows how white text looks on a background with the CIELCh color 47, 3.607, 324.620.

# 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, 3.607, 324.620

### Protanopia

47, 2.411, 300.106

### Deuteranopia

47, 6.429, 340.114



**Tritanopia**  
47, 5.881, 314.949



# Trichromacy



## Original Color

47, 3.607, 324.620

## Protanomaly

47, 2.515, 309.181

## Deuteranomaly

47, 5.120, 336.128

## Tritanomaly

47, 5.348, 317.546

# Monochromacy



## Original Color

47, 3.607, 324.620

## Achromatopsia

47, 0.006, 296.813

## Achromatomaly

47, 1.448, 324.417

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 47, 3.607, 324.620 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(115, 110, 115)` looks like.

```
.text, #text, p{  
    color:rgb(115, 110, 115)  
}
```

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(115, 110, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 110, 115) }
```

## Border

The CSS property to change the border of an element to CIELCh 47, 3.607, 324.620 is called "border". The border property can be set on classes, ids or directly on the HTML element.

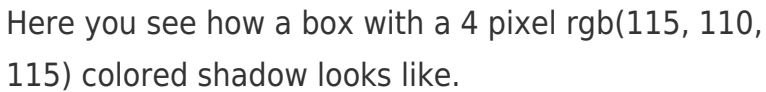
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 110, 115) }
```

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

```
.border{ border-color:rgb(115, 110, 115) }
```

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



Here you see how a box with a 4 pixel `rgb(115, 110, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 110, 115); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 110, 115); box-shadow:4px 4px 4px 4px rgb(115, 110, 115) }
```

# Background

The CSS property to change the background color of an element to CIELCh 47, 3.607, 324.620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 110, 115) }
```

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

```
.background{ background-color: rgb(115,  
110, 115) }
```

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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