Converting Colors

CIELCh(47, 0.350, 209.627)

Have a look what the booklet for CIELCh(47, 0.350, 209.627) contains.

Color

CIELCh(47, 0.404, 200.251)

Conversions

Format	Color
	Conversions Part 1
Hex	6F7070
RGB	111, 112, 112
RGB Percent	44%, 44%, 44%
CMY	0.5662, 0.5623, 0.5623
CMYK	0.01, 0.00, 0.00, 0.56
HSL	180°, 0%, 44%
HSV	180°, 1%, 44%
XYZ	15.1623, 16.0195, 17.5099
YIQ	111.7010, -0.5960, -0.2120

Conversions

Conversions Part 2

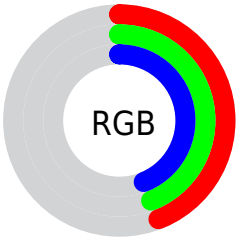
Format	Color
RYB	111, 112, 112
Decimal	7303280
CIELab	47.00, -0.38, -0.14
CIELCh	47, 0.404, 200.251
Yxy	16.0195, 0.3114, 0.3290
Android (android.graphics.Color)	4285493360 (0xFF6F7070)
YUV	111.7010, 0.1474, -0.6148
Hunter-Lab	40.0243, -2.4217, 2.0787

Details

The CIELCh color 47, 0.404, 200.251 is a dark color, and the websafe version is hex 666666. A complement of this color would be 47, 0.409, 18.414, and the grayscale version is 47, 0.006, 296.813.

A 20% lighter version of the original color is 67, 0.377, 200.634, and 27, 0.445, 199.883 is the 20% darker color. If you saturate the color by 10%, you get 46, 4.823, 198.750, and if you desaturate by 10%, it is 48, 4.195, 19.654.

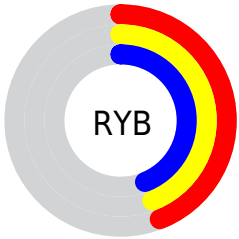
Distribution



Red (44%)

Green (44%)

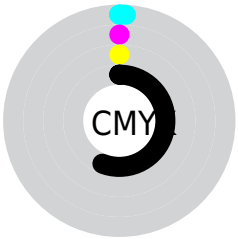
Blue (44%)



Red (44%)

Yellow (44%)

Blue (44%)

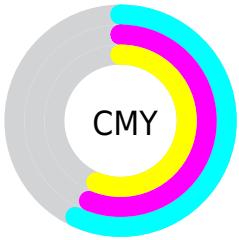


Cyan (1%)

Magenta (0%)

Yellow (0%)

Black (56%)



Cyan (57%)

Magenta (56%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 0.404, 200.251 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, 0.404, 200.251 by changing the saturation by 10% instead.

47, 0.404, 200.251

47, 0.404, 200.251

100, 0.404, 200.251

37, 0.404, 200.251

27, 0.404, 200.251

67, 0.404, 200.251

17, 0.404, 200.251

77, 0.404, 200.251

7, 0.404, 200.251

87, 0.404, 200.251

0, 0.404, 200.251

97, 0.404, 200.251

47, 0.404, 200.251

47, 0.404, 200.251

46, 4.823, 198.750

48, 4.195, 19.654

45, 9.000, 198.231

49, 8.923, 20.266

45, 12.872, 197.775

44, 16.372, 197.372

43, 19.440, 197.023

43, 22.021, 196.730

43, 24.080, 196.495

42, 25.603, 196.316

42, 26.605, 196.190

50, 13.737, 20.863

51, 18.598, 21.461

53, 23.478, 22.061

54, 28.354, 22.660

56, 33.209, 23.254

57, 38.029, 23.840

59, 42.805, 24.417

Harmonies

Complementary

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

47, 0.404, 200.251

47, 0.409, 18.414

Rectangle

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

47, 0.404, 200.251

47, 0.404, 250.251

47, 0.404, 20.251

47, 0.404, 70.251

Sweetspot

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

47, 0.405, 200.084

60, 0.008, 296.813

47, 0.713, 144.186

31, 0.005, 296.813

81, 0.010, 296.813

Same Dimension

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

47, 0.405, 200.084

60, 0.561, 199.964

47, 0.357, 254.388

24, 0.255, 200.079

45, 28.713, 196.096

89, 49.042, 196.079

Inverse Universe

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

47, 0.409, 18.414

60, 0.566, 18.533

47, 0.348, 72.779

23, 0.257, 18.418

24, 57.947, 37.713

52, 102.109, 39.943

Previews

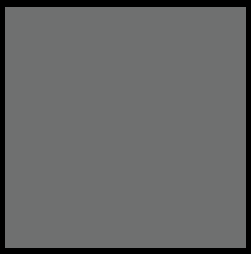
White Background

This preview shows how the CIELCh color 47, 0.404, 200.251 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



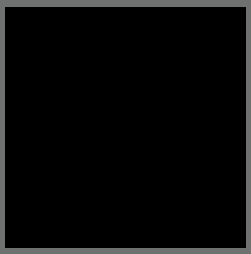
This preview shows how the CIELCh color 47, 0.404, 200.251 looks on a black background.

Color Contrast Check

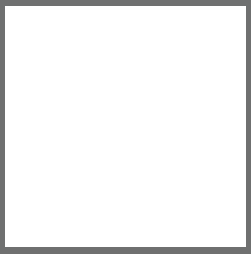
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 47, 0.404, 200.251 Background



This preview shows how black text looks on a background with the CIELCh color 47, 0.404, 200.251.



This preview shows how white text looks on a background with the CIELCh color 47, 0.404, 200.251.

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, 0.404, 200.251

Protanopia
47, 0.817, 19.062

Deuteranopia
47, 6.245, 357.961

Tritanopia
47, 5.407, 299.330

Trichromacy

Original Color
47, 0.404, 200.251

Protanomaly
47, 0.408, 18.574

Deuteranomaly
47, 4.108, 354.290

Tritanomaly
47, 2.964, 290.596

Monochromacy

Original Color
47, 0.404, 200.251

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 0.006, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 0.404, 200.251 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(111, 112, 112) looks like.

```
.text, #text, p{
    color:rgb(111, 112, 112)
}
```

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(111, 112, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 112, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 0.404, 200.251 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(111, 112, 112) }
```

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

```
.border{ border-color:rgb(111, 112, 112) }
```

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

Here you see how a box with a 4 pixel rgb(111, 112, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(111, 112, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(111, 112, 112); box-shadow:4px 4px 4px 4px rgb(111, 112, 112) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 0.404, 200.251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(111, 112, 112) }
```

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

```
.background{ background-color:rgb(111,
112, 112) }
```

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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