

Converting Colors

CIELCh(47, 0.568, 233.561)

Have a look what the booklet for
CIELCh(47, 0.568, 233.561) contains.

CIELCh(47, 0.808, 199.758)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(47, 0.808, 199.758)

Conversions

Conversions Part 1

Format	Color
Hex	6E7070
RGB	110, 112, 112
RGB Percent	43%, 44%, 44%
CMY	0.5693, 0.5615, 0.5615
CMYK	0.02, 0.00, 0.00, 0.56
HSL	180°, 1%, 43%
HSV	180°, 2%, 44%
XYZ	15.0985, 16.0195, 17.5744
YIQ	111.4020, -1.1920, -0.4240

Conversions

Conversions Part 2

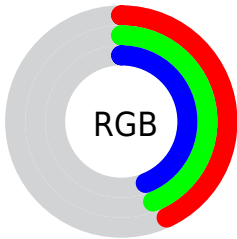
Format	Color
R_{YB}	110, 111, 112
Decimal	7237744
CIE _{Lab}	47.00, -0.76, -0.27
CIE _{LCh}	47, 0.808, 199.758
Yxy	16.0195, 0.3101, 0.3290
Android (android.graphics.Color)	4285427824 (0xFF6E7070)
YUV	111.4020, 0.2948, -1.2296
Hunter-Lab	40.0243, -2.7066, 1.9832

Details

The CIELCh color $47, 0.808, 199.758$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 0.819, 18.987$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 0.755, 199.970$, and $27, 0.445, 199.883$ is the 20% darker color. If you saturate the color by 10%, you get $46, 5.214, 198.785$, and if you desaturate by 10%, it is $48, 3.784, 19.676$.

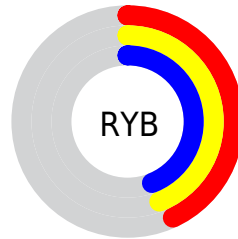
Distribution



Red (43%)

Green (44%)

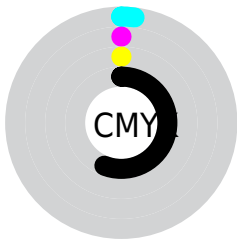
Blue (44%)



Red (43%)

Yellow (44%)

Blue (44%)

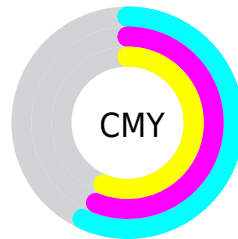


Cyan (2%)

Magenta (0%)

Yellow (0%)

Black (56%)



Cyan (57%)

Magenta (56%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 0.808, 199.758 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, 0.808, 199.758 by changing the saturation by 10% instead.

■ 47, 0.808, 199.758

■ 47, 0.808, 199.758

■ 100, 0.808,
199.758

■ 37, 0.808, 199.758

■ 67, 0.808, 199.758

■ 27, 0.808, 199.758

■ 77, 0.808, 199.758

■ 17, 0.808, 199.758

■ 87, 0.808, 199.758

■ 7, 0.808, 199.758

■ 97, 0.808, 199.758

■ 0, 0.808, 199.758

■ 47, 0.808, 199.758

■ 47, 0.808, 199.758

■ 46, 5.214, 198.785

■ 48, 3.784, 19.676

■ 45, 9.372, 198.277

■ 49, 8.511, 20.292

45, 13.218,
197.830

50, 13.327, 20.887

44, 16.685,
197.436

51, 18.194, 21.484

53, 23.082, 22.083

44, 19.714,
197.097

54, 27.969, 22.681

43, 22.250,
196.816

56, 32.836, 23.275

57, 37.669, 23.861

43, 24.261,
196.593

58, 42.459, 24.438

43, 25.735,
196.428

42, 26.692,
196.317

Harmonies

Complementary

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



47, 0.808, 199.758



47, 0.819, 18.987

Rectangle

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



47, 0.808, 199.758



47, 0.808, 249.758



47, 0.808, 19.758



47, 0.808, 69.758

Sweetspot

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



47, 0.809, 199.675



60, 0.561, 200.047



47, 1.432, 144.024



31, 0.321, 200.117



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, 0.809, 199.675



60, 1.120, 199.604



47, 0.708, 254.144



23, 0.510, 199.672



45, 28.694, 196.242



89, 49.006, 196.234

Inverse Universe

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



47, 0.819, 18.987



59, 1.136, 19.058



47, 0.702, 73.038



23, 0.516, 18.990



24, 57.974, 37.752



52, 102.149, 39.972

Previews

White Background



This preview shows how the CIELCh color 47, 0.808, 199.758 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, 0.808, 199.758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

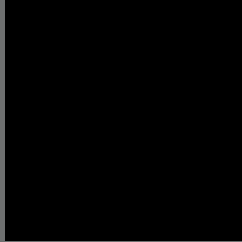
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

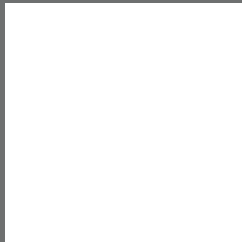
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 0.808, 199.758

Background



This preview shows how black text looks on a background with the CIELCh color 47, 0.808, 199.758.



This preview shows how white text looks on a background with the CIELCh color 47, 0.808, 199.758.

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, 0.808, 199.758

Protanopia

47, 0.817, 19.062

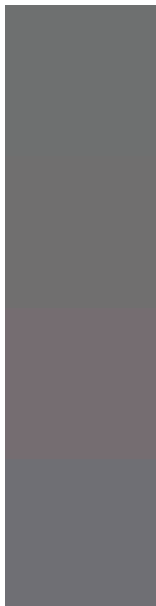
Deuteranopia

47, 6.114, 351.267



Tritanopia
47, 4.739, 290.830

Trichromacy



Original Color

47, 0.808, 199.758

Protanomaly

47, 0.408, 18.574

Deuteranomaly

47, 4.052, 344.120

Tritanomaly

47, 2.964, 290.596

Monochromacy



Original Color

47, 0.808, 199.758

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, 0.808, 199.758 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(110, 112, 112)` looks like.

```
.text, #text, p{  
    color:rgb(110, 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(110, 112, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 112, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 0.808, 199.758 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(110, 112, 112) }
```

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

```
.border{ border-color:rgb(110, 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(110, 112, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 112, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 112, 112);  
box-shadow:4px 4px 4px 4px rgb(110, 112,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 0.808, 199.758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 112, 112) }
```

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

```
.background{ background-color: rgb(110,  
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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