Converting Colors

CIELCh(49, 0.801, 40.226)

Have a look what the booklet for CIELCh(49, 0.801, 40.226) contains.

Color

CIELCh(49, 0.810, 19.041)

Conversions

Format	Color
Hex	767474
RGB	118, 116, 116
RGB Percent	46%, 45%, 45%
CMY	0.5374, 0.5452, 0.5452
CMYK	0.00, 0.02, 0.02, 0.54
HSL	0°, 1%, 46%
HSV	0°, 2%, 46%
XYZ	16.8601, 17.5941, 19.0217
YIQ	116.5980, 1.1920, 0.4240

Conversions Part 1

Conversions

Conversions Part 2

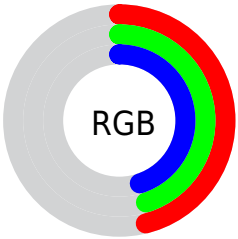
Format	Color
RYB	118, 116, 116
Decimal	7763060
CIELab	49.00, 0.77, 0.26
CIELCh	49, 0.810, 19.041
Yxy	17.5941, 0.3153, 0.3290
Android (android.graphics.Color)	4285953140 (0xFF767474)
YUV	116.5980, -0.2948, 1.2296
Hunter-Lab	41.9453, -1.6553, 2.4743

Details

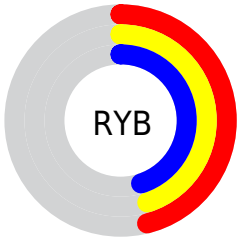
The CIELCh color 49, 0.810, 19.041 is a dark color, and the websafe version is hex 666666. A complement of this color would be 49, 0.800, 199.873, and the grayscale version is 49, 0.007, 296.813.

A 20% lighter version of the original color is 69, 0.757, 18.831, and 29, 0.890, 19.265 is the 20% darker color. If you saturate the color by 10%, you get 45, 5.794, 20.150, and if you desaturate by 10%, it is 53, 3.816, 199.196.

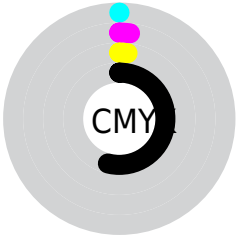
Distribution



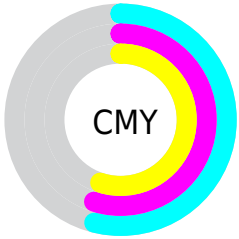
- Red (46%)
- Green (45%)
- Blue (45%)



- Red (46%)
- Yellow (45%)
- Blue (45%)



- Cyan (0%)
- Magenta (2%)
- Yellow (2%)
- Black (54%)



- Cyan (54%)
- Magenta (55%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 0.810, 19.041 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 49, 0.810, 19.041 by changing the saturation by 10% instead.

49, 0.810, 19.041

100, 0.810, 19.041

69, 0.810, 19.041

79, 0.810, 19.041

89, 0.810, 19.041

99, 0.810, 19.041

49, 0.810, 19.041

39, 0.810, 19.041

29, 0.810, 19.041

19, 0.810, 19.041

9, 0.810, 19.041

0, 0.810, 19.041

49, 0.810, 19.041

45, 5.794, 20.150

42, 11.158, 20.976

38, 16.904, 22.010

49, 0.810, 19.041

53, 3.816, 199.196

56, 8.111, 198.750

60, 12.110,

35, 23.003, 23.337

32, 29.381, 25.050

29, 35.912, 27.243

27, 42.413, 29.983

25, 48.631, 33.221

24, 53.820, 36.146

198.417

64, 15.846, 198.151

68, 19.350, 197.934

71, 22.650, 197.755

75, 25.771, 197.606

79, 28.736, 197.480

83, 31.562, 197.374

Harmonies

Complementary

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

49, 0.810, 19.041

49, 0.800, 199.873

Rectangle

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

49, 0.810, 19.041

49, 0.810, 69.041

49, 0.810, 199.041

49, 0.810, 249.041

Sweetspot

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

49, 0.809, 19.128

63, 0.590, 18.787

49, 1.436, 324.408

32, 0.333, 18.718

82, 0.010, 296.813

33, 0.005, 296.813

Same Dimension

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

49, 0.809, 19.128

62, 1.183, 19.229

49, 0.703, 74.870

24, 0.535, 19.163

24, 59.027, 38.011

52, 102.974, 40.008

Inverse Universe

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

49, 0.800, 199.873

63, 1.167, 199.774

49, 0.710, 255.965

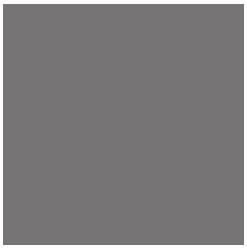
25, 0.529, 199.839

46, 29.068, 196.543

89, 49.277, 196.552

Previews

White Background

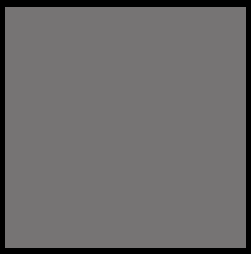


This preview shows how the CIELCh color 49, 0.810, 19.041 looks on a white background.

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



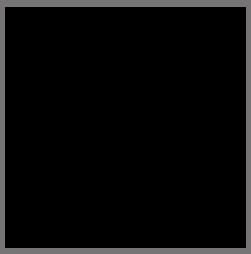
This preview shows how the CIELCh color 49, 0.810, 19.041 looks on a black background.

Color Contrast Check

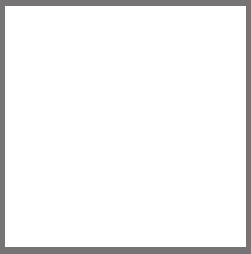
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

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

CIELCh 49, 0.810, 19.041 Background



This preview shows how black text looks on a background with the CIELCh color 49, 0.810, 19.041.



This preview shows how white text looks on a background with the CIELCh color 49, 0.810, 19.041.

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

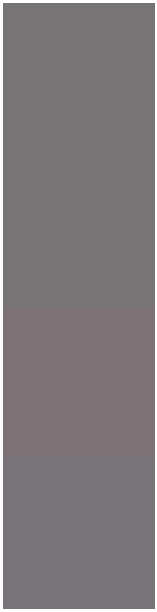
Original Color
49, 0.810, 19.041

Protanopia
49, 0.810, 19.041

Deuteranopia
49, 6.195, 357.919

Tritanopia
49, 5.545, 307.418

Trichromacy



Original Color
49, 0.810, 19.041

Protanomaly
49, 0.810, 19.041

Deuteranomaly
49, 4.449, 356.611

Tritanomaly
49, 3.893, 314.833

Monochromacy

Original Color
49, 0.810, 19.041

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 0.007, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 0.810, 19.041 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(118, 116, 116) looks like.

```
.text, #text, p{
    color:rgb(118, 116, 116)
}
```

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(118, 116, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 116, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 0.810, 19.041 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(118, 116, 116) }
```

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

```
.border{ border-color:rgb(118, 116, 116) }
```

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

Here you see how a box with a 4 pixel rgb(118, 116, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 116, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 116, 116); box-shadow:4px 4px 4px 4px rgb(118, 116, 116) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 0.810, 19.041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(118, 116, 116) }
```

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

```
.background{ background-color:rgb(118,
116, 116) }
```

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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