

Converting Colors

CIELCh(48, 9.849, 61.736)

Have a look what the booklet for
CIELCh(48, 9.849, 61.736) contains.

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Color

CIELCh(48, 9.809, 60.926)

Conversions

Conversions Part 1

Format	Color
Hex	806F64
RGB	128, 111, 100
RGB Percent	50%, 44%, 39%
CMY	0.4991, 0.5657, 0.6089
CMYK	0.00, 0.13, 0.22, 0.50
HSL	24°, 12%, 45%
HSV	24°, 22%, 50%
XYZ	16.8045, 16.7945, 14.3467
YIQ	114.8290, 13.6630, 0.1830

Conversions

Conversions Part 2

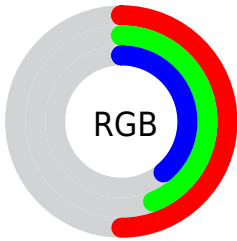
Format	Color
R _Y B	128, 118, 100
Decimal	8417124
CIE Lab	48.00, 4.77, 8.57
CIE LCh	48, 9.809, 60.926
Yxy	16.7945, 0.3505, 0.3503
Android (android.graphics.Color)	4286607204 (0xFF806F64)
YUV	114.8290, -7.3107, 11.5510
Hunter-Lab	40.9810, 1.4779, 7.9304

Details

The CIELCh color $48, 9.809, 60.926$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $48, 8.932, 245.670$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 9.732, 62.195$, and $28, 9.812, 60.976$ is the 20% darker color. If you saturate the color by 10%, you get $46, 14.744, 60.036$, and if you desaturate by 10%, it is $50, 5.170, 61.847$.

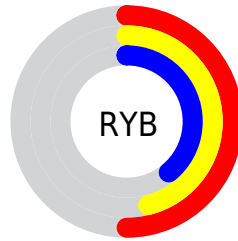
Distribution



Red (50%)

Green (44%)

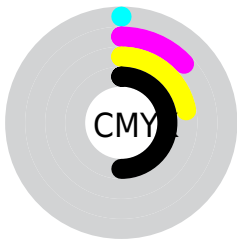
Blue (39%)



Red (50%)

Yellow (46%)

Blue (39%)

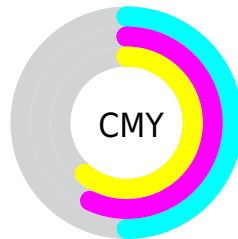


Cyan (0%)

Magenta (13%)

Yellow (22%)

Black (50%)



Cyan (50%)













Magenta (57%)





Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 9.809, 60.926 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 48, 9.809, 60.926 by changing the saturation by 10% instead.

 48, 9.809, 60.926	 48, 9.809, 60.926
 100, 9.809, 60.926	 38, 9.809, 60.926
 68, 9.809, 60.926	 28, 9.809, 60.926
 78, 9.809, 60.926	 18, 9.809, 60.926
 88, 9.809, 60.926	 8, 9.809, 60.926
 98, 9.809, 60.926	 0, 9.809, 60.926

 48, 9.809, 60.926	 48, 9.809, 60.926
 46, 14.744, 60.036	 50, 5.170, 61.847
 43, 19.992, 59.168	 53, 0.802, 62.461
 41, 25.552, 58.342	 56, 3.321, 243.919

■ 39, 31.392, 57.551

■ 58, 7.225, 244.819

■ 37, 37.412, 56.757

■ 61, 10.936,
245.743

■ 35, 43.380, 55.856

■ 63, 14.477,
246.654

■ 33, 48.825, 54.611

■ 31, 53.153, 53.814

■ 66, 17.867,
247.544

■ 68, 21.126,
248.408

■ 71, 24.268,
249.243

Harmonies

Complementary

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



48, 9.809, 60.926



48, 8.932, 245.670

Rectangle

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



48, 9.809, 60.926



48, 9.809, 110.926



48, 9.809, 240.926



48, 9.809, 290.926

Sweetspot

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



48, 9.809, 60.937



66, 3.705, 62.256



46, 15.307, 339.482



34, 2.429, 62.219



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



48, 9.809, 60.937



60, 14.617, 60.511



52, 14.315, 102.726



26, 2.421, 62.094



31, 53.077, 53.818



0, 0.000, 0.000

Inverse Universe

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



48, 8.932, 245.670



60, 13.012, 246.374



44, 14.836, 287.582



26, 2.338, 244.076



32, 33.924, 269.624



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 9.809, 60.926 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 48, 9.809, 60.926 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 48, 9.809, 60.926

Background



This preview shows how black text looks on a background with the CIELCh color 48, 9.809, 60.926.



This preview shows how white text looks on a background with the CIELCh color 48, 9.809, 60.926.

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

48, 9.809, 60.926

Protanopia

48, 7.909, 93.552

Deuteranopia

48, 10.501, 53.974



Tritanopia
48, 10.454, 350.359

Trichromacy



Original Color
48, 9.809, 60.926

Protanomaly
48, 8.024, 80.611

Deuteranomaly
48, 10.136, 55.340

Tritanomaly
48, 8.424, 12.417

Monochromacy



Original Color
48, 9.809, 60.926

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 3.727, 58.578

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 9.809, 60.926 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(128, 111, 100)` looks like.

```
.text, #text, p{  
    color:rgb(128, 111, 100)  
}
```

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(128, 111, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 111, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 9.809, 60.926 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(128, 111, 100) }
```

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

```
.border{ border-color:rgb(128, 111, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 111, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 111, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 111, 100);  
box-shadow:4px 4px 4px 4px rgb(128, 111,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 9.809, 60.926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 111, 100) }
```

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

```
.background{ background-color: rgb(128,  
111, 100) }
```

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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