

Converting Colors

CIELCh(48, 11.052, 89.599)

Have a look what the booklet for
CIELCh(48, 11.052, 89.599) contains.

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Color

CIELCh(48, 11.267, 88.433)

Conversions

Conversions Part 1

Format	Color
Hex	7A715F
RGB	122, 113, 95
RGB Percent	48%, 44%, 37%
CMY	0.5213, 0.5566, 0.6272
CMYK	0.00, 0.07, 0.22, 0.52
HSL	40°, 12%, 43%
HSV	40°, 22%, 48%
XYZ	16.0162, 16.7945, 13.2390
YIQ	113.6390, 11.1420, -3.6900

Conversions

Conversions Part 2

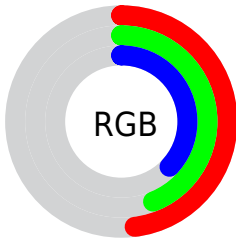
Format	Color
RYB	109, 122, 95
Decimal	8024415
CIELab	48.00, 0.31, 11.26
CIELCh	48, 11.267, 88.433
Yxy	16.7945, 0.3478, 0.3647
Android (android.graphics.Color)	4286214495 (0xFF7A715F)
YUV	113.6390, -9.1890, 7.3326
Hunter-Lab	40.9810, -1.9556, 9.5330

Details

The CIELCh color **48, 11.267, 88.433** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **44, 11.216, 274.177**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 11.668, 88.982**, and **28, 11.043, 87.344** is the 20% darker color. If you saturate the color by 10%, you get **47, 16.520, 87.174**, and if you desaturate by 10%, it is **49, 6.109, 89.663**.

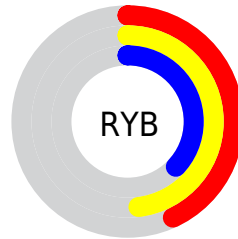
Distribution



Red (48%)

Green (44%)

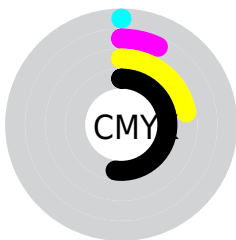
Blue (37%)



Red (43%)

Yellow (48%)

Blue (37%)

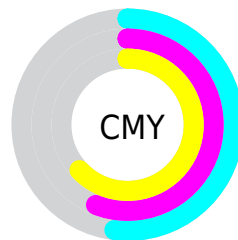


Cyan (0%)

Magenta (7%)

Yellow (22%)

Black (52%)



Cyan (52%)

Magenta (56%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 11.267, 88.433 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, 11.267, 88.433 by changing the saturation by 10% instead.

■ 48, 11.267, 88.433

■ 48, 11.267, 88.433

■ 100, 11.267,
88.433

■ 38, 11.267, 88.433

■ 68, 11.267, 88.433

■ 28, 11.267, 88.433

■ 78, 11.267, 88.433

■ 18, 11.267, 88.433

■ 88, 11.267, 88.433

■ 8, 11.267, 88.433

■ 98, 11.267, 88.433

■ 0, 11.267, 88.433

■ 48, 11.267, 88.433

■ 48, 11.267, 88.433

■ 47, 16.520, 87.174

■ 49, 6.109, 89.663

■ 45, 21.842, 85.868

■ 51, 1.053, 90.725

44, 27.185, 84.524

52, 3.901, 272.077

43, 32.450, 83.130

54, 8.757, 273.157

41, 37.460, 81.660

56, 13.520,
274.206

40, 41.912, 80.050

57, 18.198,
275.210

39, 45.365, 78.189

59, 22.797,
276.166

38, 47.891, 76.750

60, 27.324,
277.074

62, 31.784,
277.936

Harmonies

Complementary

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



48, 11.267, 88.433



44, 11.216, 274.177

Rectangle

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



48, 11.267, 88.433



48, 11.267, 138.433



48, 11.267, 268.433



48, 11.267, 318.433

Sweetspot

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



48, 11.268, 88.441



64, 4.335, 90.240



43, 12.554, 355.825



33, 2.803, 90.194



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



48, 11.268, 88.441



60, 17.088, 87.745



50, 15.747, 115.173



25, 2.835, 90.022



39, 48.698, 76.678



75, 81.885, 75.045

Inverse Universe

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



44, 11.216, 274.177



54, 16.987, 275.101



42, 16.500, 298.461



24, 2.836, 272.293



20, 55.673, 295.343



43, 99.061, 297.306

Previews

White Background



This preview shows how the CIELCh color 48, 11.267, 88.433 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 48, 11.267, 88.433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

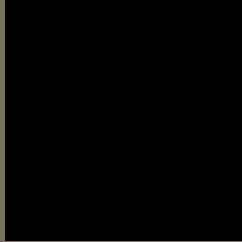
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

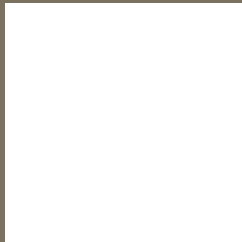
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 11.267, 88.433

Background



This preview shows how black text looks on a background with the CIELCh color 48, 11.267, 88.433.



This preview shows how white text looks on a background with the CIELCh color 48, 11.267, 88.433.

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, 11.267, 88.433

Protanopia

48, 11.430, 95.520

Deuteranopia

48, 12.412, 61.287



Tritanopia
48, 7.723, 342.801

Trichromacy



Original Color
48, 11.267, 88.433

Protanomaly
48, 11.538, 93.409

Deuteranomaly
48, 11.569, 69.099

Tritanomaly
48, 5.441, 26.148

Monochromacy



Original Color
48, 11.267, 88.433

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 4.285, 92.677

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 11.267, 88.433 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(122, 113, 95)` looks like.

```
.text, #text, p{  
    color:rgb(122, 113, 95)  
}
```

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(122, 113, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 113, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 11.267, 88.433 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(122, 113, 95) }
```

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

```
.border{ border-color:rgb(122, 113, 95) }
```

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

Here you see how a box with a 4 pixel rgb(122, 113, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 113, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 113, 95);  
box-shadow:4px 4px 4px 4px rgb(122, 113,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 11.267, 88.433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 113, 95) }
```

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

```
.background{ background-color: rgb(122,  
113, 95) }
```

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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