

Converting Colors

CIELCh(48, 11.989, 95.851)

Have a look what the booklet for
CIELCh(48, 11.989, 95.851) contains.

CIELCh(48, 12.001, 96.039)	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(48, 12.001, 96.039)

Conversions

Conversions Part 1

Format	Color
Hex	78725E
RGB	120, 114, 94
RGB Percent	47%, 45%, 37%
CMY	0.5299, 0.5534, 0.6319
CMYK	0.00, 0.05, 0.22, 0.53
HSL	46°, 12%, 42%
HSV	46°, 22%, 47%
XYZ	15.7445, 16.7945, 12.9716
YIQ	113.5140, 9.9960, -4.9480

Conversions

Conversions Part 2

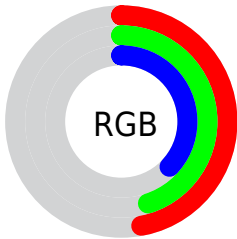
Format	Color
R_{YB}	102, 120, 94
Decimal	7893598
CIE Lab	48.00, -1.26, 11.93
CIE LCh	48, 12.001, 96.039
Yxy	16.7945, 0.3460, 0.3690
Android (android.graphics.Color)	4286083678 (0xFF78725E)
YUV	113.5140, -9.6204, 5.6882
Hunter-Lab	40.9810, -3.1391, 9.9199

Details

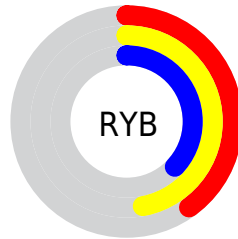
The CIELCh color **48, 12.001, 96.039** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **42, 12.214, 281.277**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 12.280, 97.664**, and **28, 11.813, 95.922** is the 20% darker color. If you saturate the color by 10%, you get **47, 17.599, 94.870**, and if you desaturate by 10%, it is **49, 6.435, 97.186**.

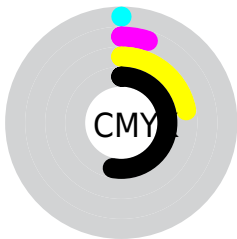
Distribution



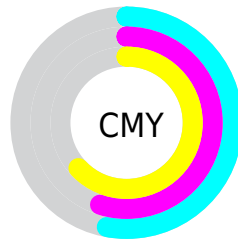
- Red (47%)
- Green (45%)
- Blue (37%)



- Red (40%)
- Yellow (47%)
- Blue (37%)



- Cyan (0%)
- Magenta (5%)
- Yellow (22%)
- Black (53%)



- Cyan (53%)
- Magenta (55%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 12.001, 96.039 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, 12.001, 96.039 by changing the saturation by 10% instead.

■ 48, 12.001, 96.039 ■ 48, 12.001, 96.039

■ 100, 12.001, 96.039 ■ 38, 12.001, 96.039

■ 68, 12.001, 96.039 ■ 28, 12.001, 96.039

■ 78, 12.001, 96.039 ■ 18, 12.001, 96.039

■ 88, 12.001, 96.039 ■ 8, 12.001, 96.039

■ 98, 12.001, 96.039 ■ 0, 12.001, 96.039

■ 48, 12.001, 96.039 ■ 48, 12.001, 96.039

■ 47, 17.599, 94.870 ■ 49, 6.435, 97.186

■ 46, 23.186, 93.666 ■ 50, 0.918, 98.186

45, 28.696, 92.438

51, 4.539, 279.416

44, 34.008, 91.188

52, 9.933, 280.432

43, 38.922, 89.905

54, 15.261,
281.413

42, 43.132, 88.567

55, 20.527,
282.350

41, 46.230, 87.122

56, 25.731,
283.241

41, 48.446, 85.924

57, 30.876,
284.088

59, 35.966,
284.889

Harmonies

Complementary

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



48, 12.001, 96.039



42, 12.214, 281.277

Rectangle

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



48, 12.001, 96.039



48, 12.001, 146.039



48, 12.001, 276.039



48, 12.001, 326.039

Sweetspot

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



48, 12.002, 96.046



63, 4.757, 97.680



43, 11.630, 2.862



33, 3.116, 97.636



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, 12.002, 96.046



61, 17.847, 95.467



49, 15.402, 119.282



25, 3.150, 97.473



42, 49.893, 85.839



82, 83.615, 84.766

Inverse Universe

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



42, 12.214, 281.277



52, 18.243, 282.043



41, 16.058, 301.953



24, 3.178, 279.577



17, 64.541, 300.368



38, 114.119, 301.903

Previews

White Background



This preview shows how the CIELCh color 48, 12.001, 96.039 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, 12.001, 96.039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

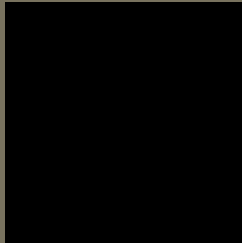
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 12.001, 96.039

Background



This preview shows how black text looks on a background with the CIELCh color 48, 12.001, 96.039.



This preview shows how white text looks on a background with the CIELCh color 48, 12.001, 96.039.

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, 12.001, 96.039

Protanopia

48, 12.001, 96.039

Deuteranopia

48, 13.169, 61.769



Tritanopia
48, 7.494, 335.263

Trichromacy



Original Color
48, 12.001, 96.039

Protanomaly
48, 12.001, 96.039

Deuteranomaly
48, 12.040, 70.741

Tritanomaly
48, 4.601, 27.180

Monochromacy



Original Color
48, 12.001, 96.039

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 4.192, 98.156

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 12.001, 96.039 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(120, 114, 94)` looks like.

```
.text, #text, p{  
    color:rgb(120, 114, 94)  
}
```

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(120, 114, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 114, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 12.001, 96.039 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(120, 114, 94) }
```

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

```
.border{ border-color:rgb(120, 114, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 114, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 114, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 114, 94);  
box-shadow:4px 4px 4px 4px rgb(120, 114,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 12.001, 96.039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 114, 94) }
```

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

```
.background{ background-color: rgb(120,  
114, 94) }
```

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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