

Converting Colors

CIELCh(48, 13.148, 56.937)

Have a look what the booklet for
CIELCh(48, 13.148, 56.937) contains.

CIELCh(48, 13.100, 55.694)	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, 13.100, 55.694)

Conversions

Conversions Part 1

Format	Color
Hex	856D60
RGB	133, 109, 96
RGB Percent	52%, 43%, 38%
CMY	0.4781, 0.5722, 0.6232
CMYK	0.00, 0.18, 0.28, 0.48
HSL	21°, 16%, 45%
HSV	21°, 28%, 52%
XYZ	17.2789, 16.7945, 13.4168
YIQ	114.6940, 18.4770, 1.0450

Conversions

Conversions Part 2

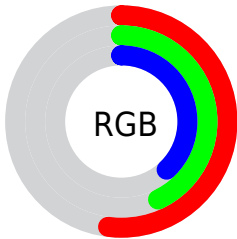
Format	Color
R_{YB}	133, 116, 96
Decimal	8744288
CIE Lab	48.00, 7.38, 10.82
CIE LCh	48, 13.100, 55.694
Yxy	16.7945, 0.3638, 0.3536
Android (android.graphics.Color)	4286934368 (0xFF856D60)
YUV	114.6940, -9.2161, 16.0544
Hunter-Lab	40.9810, 3.5446, 9.2757

Details

The CIELCh color **48, 13.100, 55.694** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **49, 11.382, 241.095**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 13.061, 53.082**, and **28, 13.123, 56.340** is the 20% darker color. If you saturate the color by 10%, you get **45, 18.443, 55.003**, and if you desaturate by 10%, it is **51, 8.105, 56.449**.

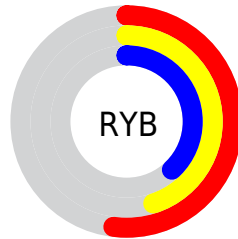
Distribution



Red (52%)

Green (43%)

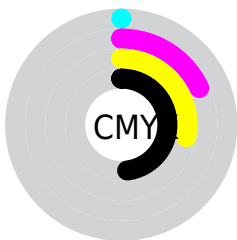
Blue (38%)



Red (52%)

Yellow (45%)

Blue (38%)

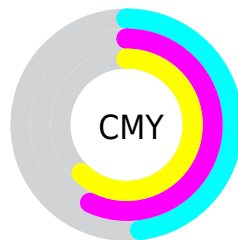


Cyan (0%)

Magenta (18%)

Yellow (28%)

Black (48%)



Cyan (48%)

Magenta (57%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 13.100, 55.694 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, 13.100, 55.694 by changing the saturation by 10% instead.

■ 48, 13.100, 55.694

■ 48, 13.100, 55.694

■ 100, 13.100,
55.694

■ 38, 13.100, 55.694

■ 68, 13.100, 55.694

■ 28, 13.100, 55.694

■ 78, 13.100, 55.694

■ 18, 13.100, 55.694

■ 88, 13.100, 55.694

■ 8, 13.100, 55.694

■ 98, 13.100, 55.694

■ 0, 13.100, 55.694

■ 48, 13.100, 55.694

■ 48, 13.100, 55.694

■ 45, 18.443, 55.003

■ 51, 8.105, 56.449

■ 43, 24.147, 54.369

■ 53, 3.435, 57.194

40, 30.197, 53.807

56, 0.941, 238.503

38, 36.530, 53.296

59, 5.052, 239.041

36, 42.973, 52.768

62, 8.930, 239.858

34, 49.152, 52.039

65, 12.601,
240.686

32, 54.766, 51.126

67, 16.091,
241.508

32, 56.046, 51.047

70, 19.422,
242.314

73, 22.612,
243.099

Harmonies

Complementary

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



48, 13.100, 55.694



49, 11.382, 241.095

Rectangle

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



48, 13.100, 55.694



48, 13.100, 105.694



48, 13.100, 235.694



48, 13.100, 285.694

Sweetspot

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



48, 13.100, 55.703



68, 4.376, 57.168



45, 20.586, 338.418



35, 3.111, 57.074



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



48, 13.100, 55.703



60, 19.702, 55.280



53, 18.175, 100.267



27, 2.486, 57.102



31, 55.009, 51.076



0, 0.580, 57.935

Inverse Universe

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



49, 11.382, 241.095



61, 16.538, 242.024



44, 18.933, 286.809



27, 2.386, 238.866



34, 31.898, 263.412



0, 0.580, 237.953

Previews

White Background



This preview shows how the CIELCh color 48, 13.100, 55.694 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, 13.100, 55.694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

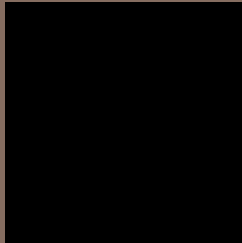
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 13.100, 55.694

Background



This preview shows how black text looks on a background with the CIELCh color 48, 13.100, 55.694.

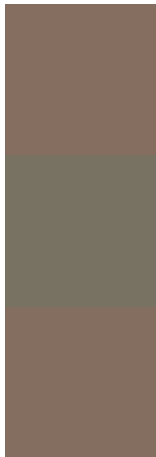


This preview shows how white text looks on a background with the CIELCh color 48, 13.100, 55.694.

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, 13.100, 55.694

Protanopia

48, 9.724, 93.536

Deuteranopia

48, 12.412, 61.287



Tritanopia
48, 13.091, 357.352

Trichromacy



Original Color
48, 13.100, 55.694

Protanomaly
48, 10.481, 76.444

Deuteranomaly
48, 12.754, 59.982

Tritanomaly
48, 11.435, 17.866

Monochromacy



Original Color
48, 13.100, 55.694

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 4.762, 57.622

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 13.100, 55.694 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(133, 109, 96)` looks like.

```
.text, #text, p{  
    color:rgb(133, 109, 96)  
}
```

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(133, 109, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 109, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 13.100, 55.694 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(133, 109, 96) }
```

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

```
.border{ border-color:rgb(133, 109, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 109, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 109, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 109, 96);  
box-shadow:4px 4px 4px 4px rgb(133, 109,  
96) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 13.100, 55.694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 109, 96) }
```

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

```
.background{ background-color: rgb(133,  
109, 96) }
```

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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