

Converting Colors

CIELCh(45, 17.670, 48.681)

Have a look what the booklet for
CIELCh(45, 17.670, 48.681) contains.

CIELCh(45, 17.711, 48.673)	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(45, 17.711, 48.673)

Conversions

Conversions Part 1

Format	Color
Hex	856355
RGB	133, 99, 85
RGB Percent	52%, 39%, 33%
CMY	0.4788, 0.6121, 0.6670
CMYK	0.00, 0.26, 0.36, 0.48
HSL	18°, 22%, 43%
HSV	18°, 36%, 52%
XYZ	15.7491, 14.5417, 10.5542
YIQ	107.5700, 24.7580, 2.8540

Conversions

Conversions Part 2

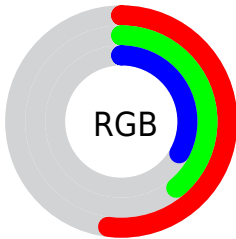
Format	Color
R_{YB}	133, 105, 85
Decimal	8741717
CIE Lab	45.00, 11.70, 13.30
CIE LCh	45, 17.711, 48.673
Yxy	14.5417, 0.3856, 0.3560
Android (android.graphics.Color)	4286931797 (0xFF856355)
YUV	107.5700, -11.1270, 22.3021
Hunter-Lab	38.1336, 6.9864, 10.2839

Details

The CIELCh color $45, 17.711, 48.673$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $48, 14.236, 234.069$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 17.533, 48.611$, and $25, 17.717, 47.737$ is the 20% darker color. If you saturate the color by 10%, you get $42, 23.490, 48.380$, and if you desaturate by 10%, it is $48, 12.328, 49.081$.

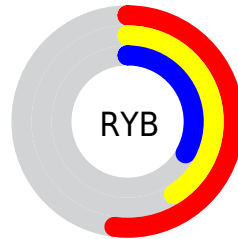
Distribution



Red (52%)

Green (39%)

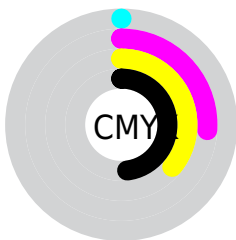
Blue (33%)



Red (52%)

Yellow (41%)

Blue (33%)

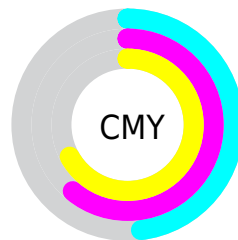


Cyan (0%)

Magenta (26%)

Yellow (36%)

Black (48%)



Cyan (48%)

Magenta (61%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 17.711, 48.673 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 45, 17.711, 48.673 by changing the saturation by 10% instead.

■ 45, 17.711, 48.673

■ 45, 17.711, 48.673

■ 100, 17.711,
48.673

■ 35, 17.711, 48.673

■ 65, 17.711, 48.673

■ 25, 17.711, 48.673

■ 75, 17.711, 48.673

■ 15, 17.711, 48.673

■ 85, 17.711, 48.673

■ 5, 17.711, 48.673

■ 95, 17.711, 48.673

■ 0, 17.711, 48.673

■ 45, 17.711, 48.673

■ 45, 17.711, 48.673

■ 42, 23.490, 48.380

■ 48, 12.328, 49.081

■ 40, 29.660, 48.199

■ 51, 7.326, 49.556

37, 36.169, 48.134

54, 2.677, 50.029

35, 42.874, 48.133

57, 1.652, 231.007

33, 49.445, 48.039

60, 5.695, 231.484

31, 55.374, 47.664

63, 9.485, 232.116

30, 57.620, 47.658

66, 13.051,
232.771

69, 16.421,
233.431

72, 19.618,
234.087

Harmonies

Complementary

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



45, 17.711, 48.673



48, 14.236, 234.069

Rectangle

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



45, 17.711, 48.673



45, 17.711, 98.673



45, 17.711, 228.673



45, 17.711, 278.673

Sweetspot

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



45, 17.710, 48.679



67, 6.106, 49.799



42, 27.886, 336.128



34, 4.102, 49.743



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



45, 17.710, 48.679



55, 27.005, 48.434



51, 22.131, 95.230



26, 2.495, 49.901



30, 56.586, 47.649



0, 0.580, 50.528

Inverse Universe

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



48, 14.236, 234.069



60, 20.512, 235.312



41, 22.968, 284.574



27, 2.379, 231.254



37, 28.973, 252.941



0, 0.580, 230.547

Previews

White Background



This preview shows how the CIELCh color 45, 17.711, 48.673 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 45, 17.711, 48.673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

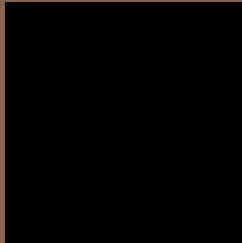
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 17.711, 48.673

Background



This preview shows how black text looks on a background with the CIELCh color 45, 17.711, 48.673.



This preview shows how white text looks on a background with the CIELCh color 45, 17.711, 48.673.

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

45, 17.711, 48.673

Protanopia

45, 10.547, 91.815

Deuteranopia

45, 15.045, 65.019



Tritanopia
45, 17.211, 5.908

Trichromacy



Original Color
45, 17.711, 48.673

Protanomaly
45, 11.748, 68.929

Deuteranomaly
45, 16.030, 59.090

Tritanomaly
45, 16.149, 21.517

Monochromacy



Original Color
45, 17.711, 48.673

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 5.922, 49.919

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 17.711, 48.673 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, 99, 85)` looks like.

```
.text, #text, p{  
    color:rgb(133, 99, 85)  
}
```

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, 99, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 99, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 17.711, 48.673 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, 99, 85) }
```

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

```
.border{ border-color:rgb(133, 99, 85) }
```

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

Here you see how a box with a 4 pixel rgb(133, 99, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 99, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 99, 85);  
box-shadow:4px 4px 4px 4px rgb(133, 99,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 17.711, 48.673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 99, 85) }
```

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

```
.background{ background-color: rgb(133, 99,  
85) }
```

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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