

Converting Colors

CIELCh(45, 46.500, 18.166)

Have a look what the booklet for
CIELCh(45, 46.500, 18.166) contains.

CIELCh(45, 46.577, 17.700)	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, 46.577, 17.700)

Conversions

Conversions Part 1

Format	Color
Hex	B14755
RGB	177, 71, 85
RGB Percent	69%, 28%, 33%
CMY	0.3054, 0.7211, 0.6662
CMYK	0.00, 0.60, 0.52, 0.31
HSL	352°, 43%, 49%
HSV	352°, 60%, 69%
XYZ	22.0663, 14.5417, 10.2603
YIQ	104.2900, 58.6820, 26.8260

Conversions

Conversions Part 2

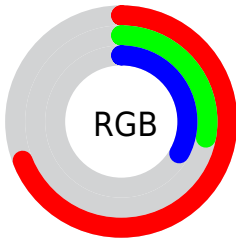
Format	Color
R_{YB}	177, 71, 85
Decimal	11618133
CIE _{Lab}	45.00, 44.37, 14.16
CIE _{LCh}	45, 46.577, 17.700
Yxy	14.5417, 0.4708, 0.3103
Android (android.graphics.Color)	4289808213 (0xFFB14755)
YUV	104.2900, -9.5100, 63.7667
Hunter-Lab	38.1336, 36.5566, 10.7409

Details

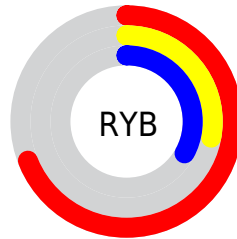
The CIELCh color **45, 46.577, 17.700** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **66, 33.785, 183.294**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 46.684, 18.231**, and **25, 46.534, 17.728** is the 20% darker color. If you saturate the color by 10%, you get **42, 54.424, 20.832**, and if you desaturate by 10%, it is **49, 38.379, 15.226**.

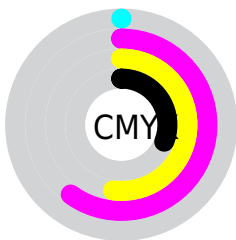
Distribution



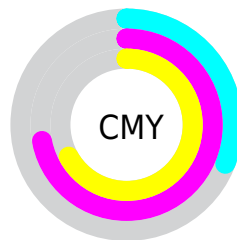
- Red (69%)
- Green (28%)
- Blue (33%)



- Red (69%)
- Yellow (28%)
- Blue (33%)



- Cyan (0%)
- Magenta (60%)
- Yellow (52%)
- Black (31%)



- Cyan (31%)
- Magenta (72%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 46.577, 17.700 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, 46.577, 17.700 by changing the saturation by 10% instead.

■ 45, 46.577, 17.700

■ 45, 46.577, 17.700

■ 100, 46.577,
17.700

■ 35, 46.577, 17.700

■ 65, 46.577, 17.700

■ 25, 46.577, 17.700

■ 75, 46.577, 17.700

■ 15, 46.577, 17.700

■ 85, 46.577, 17.700

■ 5, 46.577, 17.700

■ 95, 46.577, 17.700

■ 0, 46.577, 17.700

■ 45, 46.577, 17.700

■ 45, 46.577, 17.700

■ 42, 54.424, 20.832

■ 49, 38.379, 15.226

■ 39, 61.660, 24.707

■ 53, 30.120, 13.270

■ 38, 68.095, 29.256

■ 58, 22.025, 11.707

■ 37, 73.747, 33.853

■ 62, 14.244, 10.436

■ 37, 73.832, 33.913

■ 67, 6.859, 9.364

■ 72, 0.101, 193.355

■ 77, 6.639, 187.904

■ 83, 12.779,
187.234

■ 88, 18.554,
186.667

Harmonies

Complementary

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



45, 46.577, 17.700



66, 33.785, 183.294

Rectangle

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



45, 46.577, 17.700



45, 46.577, 67.700



45, 46.577, 197.700



45, 46.577, 247.700

Sweetspot

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



45, 46.574, 17.703



80, 15.875, 10.260



46, 66.357, 323.264



41, 11.112, 10.589



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



45, 46.574, 17.703



53, 69.121, 22.057



53, 39.788, 55.064



35, 3.964, 9.311



31, 65.848, 33.302



2, 9.274, 10.995

Inverse Universe

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



45, 46.574, 17.703



53, 69.121, 22.057



55, 28.503, 250.456



35, 3.964, 9.311



31, 65.848, 33.302



2, 9.274, 10.995

Previews

White Background



This preview shows how the CIELCh color 45, 46.577, 17.700 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 45, 46.577, 17.700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

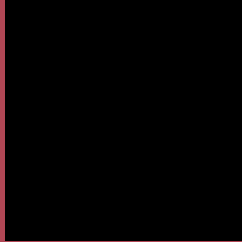
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 46.577, 17.700

Background



This preview shows how black text looks on a background with the CIELCh color 45, 46.577, 17.700.



This preview shows how white text looks on a background with the CIELCh color 45, 46.577, 17.700.

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, 46.577, 17.700

Protanopia

45, 2.673, 81.907

Deuteranopia

45, 17.378, 71.058



Tritanopia
45, 47.235, 23.791

Trichromacy



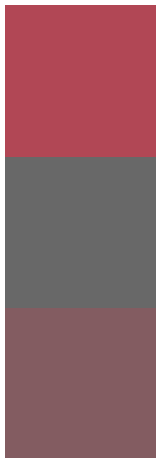
Original Color
45, 46.577, 17.700

Protanomaly
44, 17.495, 17.933

Deuteranomaly
44, 25.557, 34.439

Tritanomaly
45, 46.787, 21.716

Monochromacy



Original Color
45, 46.577, 17.700

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 17.127, 11.877

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 46.577, 17.700 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(177, 71, 85)` looks like.

```
.text, #text, p{  
    color:rgb(177, 71, 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(177, 71, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 71, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 46.577, 17.700 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(177, 71, 85) }
```

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

```
.border{ border-color:rgb(177, 71, 85) }
```

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

Here you see how a box with a 4 pixel rgb(177, 71, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 71, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 71, 85);  
box-shadow:4px 4px 4px 4px rgb(177, 71,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 46.577, 17.700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 71, 85) }
```

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

```
.background{ background-color: rgb(177, 71,  
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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