

Converting Colors

CIELCh(45, 10.956, 17.359)

Have a look what the booklet for
CIELCh(45, 10.956, 17.359) contains.

CIELCh(45, 11.148, 17.790)	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, 11.148, 17.790)

Conversions

Conversions Part 1

Format	Color
Hex	7E6465
RGB	126, 100, 101
RGB Percent	49%, 39%, 40%
CMY	0.5051, 0.6071, 0.6032
CMYK	0.00, 0.21, 0.20, 0.51
HSL	358°, 11%, 44%
HSV	358°, 21%, 49%
XYZ	15.5639, 14.5417, 14.3444
YIQ	107.8880, 15.1750, 5.8230

Conversions

Conversions Part 2

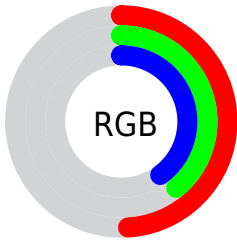
Format	Color
R_{YB}	126, 100, 101
Decimal	8283237
CIE _{Lab}	45.00, 10.61, 3.41
CIE _{LCh}	45, 11.148, 17.790
Yxy	14.5417, 0.3501, 0.3271
Android (android.graphics.Color)	4286473317 (0xFF7E6465)
YUV	107.8880, -3.3958, 15.8842
Hunter-Lab	38.1336, 6.1196, 4.3909

Details

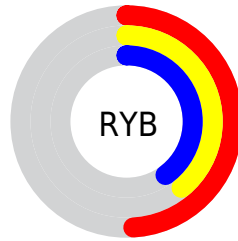
The CIELCh color $45, 11.148, 17.790$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $51, 9.882, 195.003$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 11.083, 17.581$, and $25, 11.058, 18.238$ is the 20% darker color. If you saturate the color by 10%, you get $41, 17.127, 18.902$, and if you desaturate by 10%, it is $49, 5.539, 16.891$.

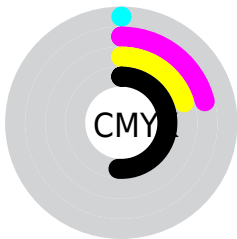
Distribution



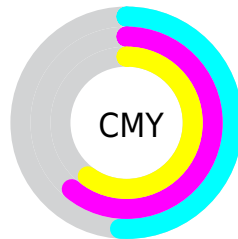
- Red (49%)
- Green (39%)
- Blue (40%)



- Red (49%)
- Yellow (39%)
- Blue (40%)



- Cyan (0%)
- Magenta (21%)
- Yellow (20%)
- Black (51%)





















- Cyan (51%)
- Magenta (61%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 11.148, 17.790 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, 11.148, 17.790 by changing the saturation by 10% instead.

 45, 11.148, 17.790	 45, 11.148, 17.790
 100, 11.148, 17.790	 35, 11.148, 17.790
 65, 11.148, 17.790	 25, 11.148, 17.790
 75, 11.148, 17.790	 15, 11.148, 17.790
 85, 11.148, 17.790	 5, 11.148, 17.790
 95, 11.148, 17.790	 0, 11.148, 17.790

 45, 11.148, 17.790	 45, 11.148, 17.790
 41, 17.127, 18.902	 49, 5.539, 16.891
 38, 23.443, 20.295	 53, 0.308, 14.993

35, 30.012, 22.071

57, 4.564, 195.772

32, 36.696, 24.335

60, 9.105, 195.256

29, 43.306, 27.178

64, 13.345,
194.845

27, 49.615, 30.612

68, 17.318,
194.501

26, 55.315, 34.408

25, 59.464, 36.737

72, 21.054,
194.208

76, 24.581,
193.955

80, 27.924,
193.735

Harmonies

Complementary

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



45, 11.148, 17.790



51, 9.882, 195.003

Rectangle

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



45, 11.148, 17.790



45, 11.148, 67.790



45, 11.148, 197.790



45, 11.148, 247.790

Sweetspot

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



45, 11.147, 17.797



64, 3.806, 16.506



46, 18.310, 324.107



33, 2.516, 16.551



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



45, 11.147, 17.797



55, 16.976, 18.316



48, 9.246, 67.529



25, 2.952, 16.764



25, 59.975, 36.824



0, 0.000, 0.000

Inverse Universe

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



45, 11.147, 17.797



55, 16.976, 18.316



47, 8.633, 252.524



25, 2.952, 16.764



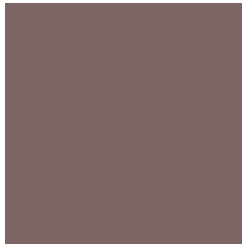
25, 59.975, 36.824



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 11.148, 17.790 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, 11.148, 17.790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

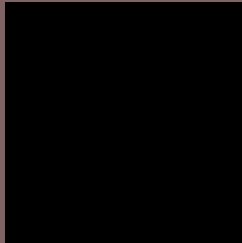
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 11.148, 17.790

Background



This preview shows how black text looks on a background with the CIELCh color 45, 11.148, 17.790.



This preview shows how white text looks on a background with the CIELCh color 45, 11.148, 17.790.

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, 11.148, 17.790

Protanopia

45, 1.369, 45.018

Deuteranopia

45, 6.912, 30.038



Tritanopia
45, 12.655, 359.130

Trichromacy



Original Color
45, 11.148, 17.790

Protanomaly
45, 4.608, 19.902

Deuteranomaly
45, 8.561, 24.387

Tritanomaly
45, 12.337, 4.335

Monochromacy



Original Color
45, 11.148, 17.790

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 4.207, 11.749

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 11.148, 17.790 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(126, 100, 101)` looks like.

```
.text, #text, p{  
    color:rgb(126, 100, 101)  
}
```

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(126, 100, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 100, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 11.148, 17.790 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(126, 100, 101) }
```

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

```
.border{ border-color:rgb(126, 100, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 100, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 100, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 100, 101);  
box-shadow:4px 4px 4px 4px rgb(126, 100,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 11.148, 17.790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 100, 101) }
```

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

```
.background{ background-color: rgb(126,  
100, 101) }
```

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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