

Converting Colors

CIELCh(45, 11.673, 79.113)

Have a look what the booklet for
CIELCh(45, 11.673, 79.113) contains.

CIELCh(45, 11.651, 79.137)	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, 11.651, 79.137)

Conversions

Conversions Part 1

Format	Color
Hex	766958
RGB	118, 105, 88
RGB Percent	46%, 41%, 35%
CMY	0.5389, 0.5898, 0.6564
CMYK	0.00, 0.11, 0.25, 0.54
HSL	34°, 15%, 40%
HSV	34°, 25%, 46%
XYZ	14.1706, 14.5417, 11.2075
YIQ	106.9490, 13.2050, -2.5310

Conversions

Conversions Part 2

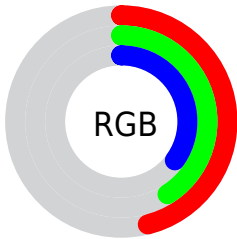
Format	Color
R_{YB}	111, 118, 88
Decimal	7760216
CIE Lab	45.00, 2.20, 11.44
CIE LCh	45, 11.651, 79.137
Yxy	14.5417, 0.3550, 0.3643
Android (android.graphics.Color)	4285950296 (0xFF766958)
YUV	106.9490, -9.3419, 9.6917
Hunter-Lab	38.1336, -0.4023, 9.2681

Details

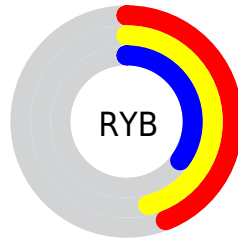
The CIELCh color **45, 11.651, 79.137** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **42, 11.206, 265.986**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 11.474, 79.479**, and **25, 11.336, 78.886** is the 20% darker color. If you saturate the color by 10%, you get **43, 16.499, 77.870**, and if you desaturate by 10%, it is **47, 6.960, 80.386**.

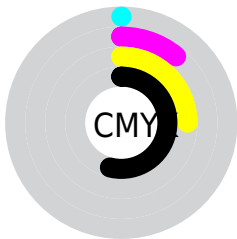
Distribution



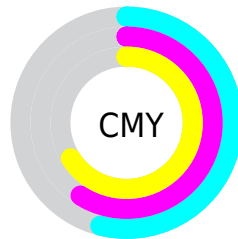
- Red (46%)
- Green (41%)
- Blue (35%)



- Red (44%)
- Yellow (46%)
- Blue (35%)



- Cyan (0%)
- Magenta (11%)
- Yellow (25%)
- Black (54%)



- Cyan (54%)
- Magenta (59%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 11.651, 79.137 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, 11.651, 79.137 by changing the saturation by 10% instead.

■ 45, 11.651, 79.137

■ 45, 11.651, 79.137

■ 100, 11.651,
79.137

■ 35, 11.651, 79.137

■ 65, 11.651, 79.137

■ 25, 11.651, 79.137

■ 75, 11.651, 79.137

■ 15, 11.651, 79.137

■ 85, 11.651, 79.137

■ 5, 11.651, 79.137

■ 95, 11.651, 79.137

■ 0, 11.651, 79.137

■ 45, 11.651, 79.137

■ 45, 11.651, 79.137

■ 43, 16.499, 77.870

■ 47, 6.960, 80.386

■ 42, 21.492, 76.564

■ 48, 2.423, 81.549

40, 26.592, 75.224

50, 1.967, 262.931

38, 31.713, 73.828

52, 6.221, 264.001

37, 36.687, 72.326

54, 10.353,
265.090

36, 41.201, 70.609

56, 14.374,
266.140

34, 44.968, 68.601

34, 46.873, 67.887

58, 18.295,
267.147

59, 22.127,
268.109

61, 25.879,
269.025

Harmonies

Complementary

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



45, 11.651, 79.137



42, 11.206, 265.986

Rectangle

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



45, 11.651, 79.137



45, 11.651, 129.137



45, 11.651, 259.137



45, 11.651, 309.137

Sweetspot

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



45, 11.651, 79.145



61, 4.402, 81.251



41, 14.843, 349.739



31, 3.117, 81.107



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



45, 11.651, 79.145



57, 17.767, 78.346



49, 17.446, 110.703



24, 2.495, 81.156



35, 48.257, 67.727



69, 82.269, 65.638

Inverse Universe

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



42, 11.206, 265.986



52, 16.904, 267.136



38, 18.466, 295.310



23, 2.468, 263.487



24, 46.022, 288.358



49, 82.605, 290.773

Previews

White Background



This preview shows how the CIELCh color 45, 11.651, 79.137 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, 11.651, 79.137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

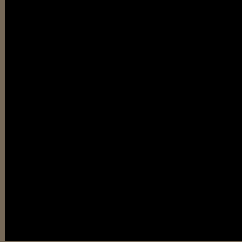
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 11.651, 79.137

Background



This preview shows how black text looks on a background with the CIELCh color 45, 11.651, 79.137.



This preview shows how white text looks on a background with the CIELCh color 45, 11.651, 79.137.

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, 11.651, 79.137

Protanopia

45, 11.118, 92.573

Deuteranopia

45, 12.615, 61.142



Tritanopia
45, 8.553, 351.417

Trichromacy



Original Color
45, 11.651, 79.137

Protanomaly
45, 11.036, 85.168

Deuteranomaly
45, 12.051, 67.316

Tritanomaly
45, 6.912, 30.038

Monochromacy



Original Color
45, 11.651, 79.137

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 4.133, 78.949

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 11.651, 79.137 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(118, 105, 88)` looks like.

```
.text, #text, p{  
    color:rgb(118, 105, 88)  
}
```

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(118, 105, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 105, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 11.651, 79.137 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(118, 105, 88) }
```

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

```
.border{ border-color:rgb(118, 105, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 105, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 105, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 105, 88);  
box-shadow:4px 4px 4px 4px rgb(118, 105,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 11.651, 79.137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 105, 88) }
```

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

```
.background{ background-color: rgb(118,  
105, 88) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor