

Converting Colors

CIELCh(45, 7.241, 54.247)

Have a look what the booklet for
CIELCh(45, 7.241, 54.247) contains.

CIELCh(45, 7.337, 54.343)	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, 7.337, 54.343)

Conversions

Conversions Part 1

Format	Color
Hex	766861
RGB	118, 104, 97
RGB Percent	46%, 41%, 38%
CMY	0.5383, 0.5931, 0.6206
CMYK	0.00, 0.12, 0.18, 0.54
HSL	20°, 10%, 42%
HSV	20°, 18%, 46%
XYZ	14.5070, 14.5417, 13.2907
YIQ	107.3880, 10.5910, 0.7910

Conversions

Conversions Part 2

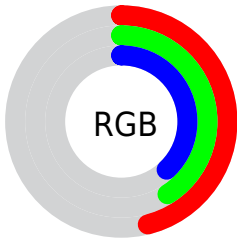
Format	Color
R_{YB}	118, 108, 97
Decimal	7759969
CIE Lab	45.00, 4.28, 5.96
CIE LCh	45, 7.337, 54.343
Yxy	14.5417, 0.3426, 0.3435
Android (android.graphics.Color)	4285950049 (0xFF766861)
YUV	107.3880, -5.1213, 9.3067
Hunter-Lab	38.1336, 1.1721, 6.0291

Details

The CIELCh color $45, 7.337, 54.343$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 6.713, 237.409$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 7.091, 52.837$, and $25, 7.058, 53.912$ is the 20% darker color. If you saturate the color by 10%, you get $43, 11.860, 53.697$, and if you desaturate by 10%, it is $48, 3.112, 55.020$.

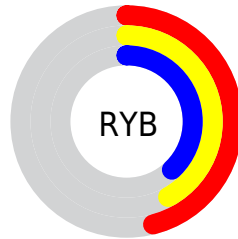
Distribution



Red (46%)

Green (41%)

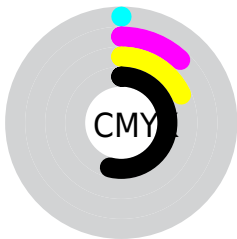
Blue (38%)



Red (46%)

Yellow (42%)

Blue (38%)

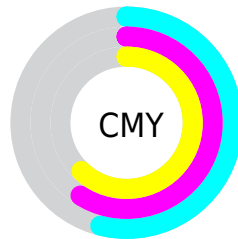


Cyan (0%)

Magenta (12%)

Yellow (18%)

Black (54%)



Cyan (54%)

Magenta (59%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 7.337, 54.343 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, 7.337, 54.343 by changing the saturation by 10% instead.

 45, 7.337, 54.343	 45, 7.337, 54.343
 100, 7.337, 54.343	 35, 7.337, 54.343
 65, 7.337, 54.343	 25, 7.337, 54.343
 75, 7.337, 54.343	 15, 7.337, 54.343
 85, 7.337, 54.343	 5, 7.337, 54.343
 95, 7.337, 54.343	 0, 7.337, 54.343

 45, 7.337, 54.343	 45, 7.337, 54.343
 43, 11.860, 53.697	 48, 3.112, 55.020
 40, 16.705, 53.092	 50, 0.841, 236.276
 38, 21.884, 52.561	 53, 4.550, 236.731

■ 35, 27.386, 52.114

■ 55, 8.043, 237.484

■ 33, 33.160, 51.737

■ 58, 11.345,
238.254

■ 31, 39.066, 51.369

■ 61, 14.478,
239.022

■ 30, 44.795, 50.846

■ 28, 49.949, 50.075

■ 63, 17.464,
239.779

■ 28, 51.032, 49.959

■ 66, 20.319,
240.520

■ 68, 23.059,
241.241

Harmonies

Complementary

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



45, 7.337, 54.343



46, 6.713, 237.409

Rectangle

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



45, 7.337, 54.343



45, 7.337, 104.343



45, 7.337, 234.343



45, 7.337, 284.343

Sweetspot

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



45, 7.337, 54.356



62, 2.441, 55.164



43, 12.032, 336.873



31, 1.659, 55.139



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, 7.337, 54.356



57, 10.850, 54.107



48, 10.355, 100.436



23, 2.240, 54.945



29, 52.750, 49.989



59, 92.062, 48.474

Inverse Universe

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



46, 6.713, 237.409



58, 9.726, 237.828



43, 10.596, 284.443



24, 2.148, 236.565



33, 29.496, 260.088



65, 51.620, 263.148

Previews

White Background



This preview shows how the CIELCh color 45, 7.337, 54.343 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, 7.337, 54.343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

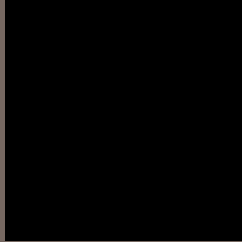
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 7.337, 54.343

Background



This preview shows how black text looks on a background with the CIELCh color 45, 7.337, 54.343.



This preview shows how white text looks on a background with the CIELCh color 45, 7.337, 54.343.

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, 7.337, 54.343

Protanopia

45, 5.040, 89.815

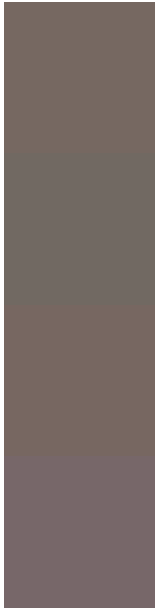
Deuteranopia

45, 8.178, 45.884



Tritanopia
45, 8.493, 346.428

Trichromacy



Original Color
45, 7.337, 54.343

Protanomaly
45, 5.375, 70.203

Deuteranomaly
45, 7.783, 47.260

Tritanomaly
45, 6.820, 10.227

Monochromacy



Original Color
45, 7.337, 54.343

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 2.735, 60.100

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 7.337, 54.343 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, 104, 97)` looks like.

```
.text, #text, p{  
    color:rgb(118, 104, 97)  
}
```

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, 104, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 104, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 7.337, 54.343 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, 104, 97) }
```

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

```
.border{ border-color:rgb(118, 104, 97) }
```

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

Here you see how a box with a 4 pixel rgb(118, 104, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 104, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 104, 97);  
box-shadow:4px 4px 4px 4px rgb(118, 104,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 7.337, 54.343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 104, 97) }
```

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

```
.background{ background-color: rgb(118,  
104, 97) }
```

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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