

Converting Colors

CIELCh(45, 8.400, 66.877)

Have a look what the booklet for
CIELCh(45, 8.400, 66.877) contains.

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Color

CIELCh(45, 8.218, 65.940)

Conversions

Conversions Part 1

Format	Color
Hex	75685E
RGB	117, 104, 94
RGB Percent	46%, 41%, 37%
CMY	0.5405, 0.5915, 0.6307
CMYK	0.00, 0.11, 0.20, 0.54
HSL	26°, 11%, 41%
HSV	26°, 20%, 46%
XYZ	14.3566, 14.5417, 12.6804
YIQ	106.7470, 10.9580, -0.3540

Conversions

Conversions Part 2

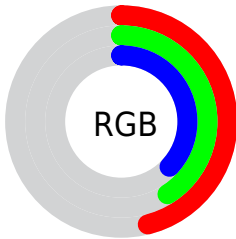
Format	Color
R_{YB}	117, 112, 94
Decimal	7694430
CIE _{Lab}	45.00, 3.35, 7.50
CIE _{LCh}	45, 8.218, 65.940
Yxy	14.5417, 0.3453, 0.3497
Android (android.graphics.Color)	4285884510 (0xFF75685E)
YUV	106.7470, -6.2843, 8.9919
Hunter-Lab	38.1336, 0.4681, 6.9781

Details

The CIELCh color $45, 8.218, 65.940$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $45, 7.668, 250.536$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 8.271, 66.983$, and $25, 8.055, 66.825$ is the 20% darker color. If you saturate the color by 10%, you get $43, 12.755, 64.916$, and if you desaturate by 10%, it is $47, 3.923, 66.969$.

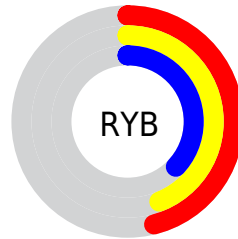
Distribution



Red (46%)

Green (41%)

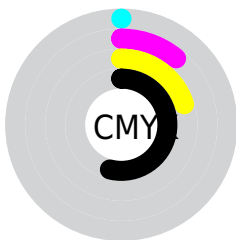
Blue (37%)



Red (46%)

Yellow (44%)

Blue (37%)

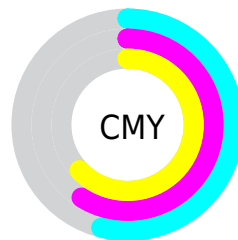


Cyan (0%)

Magenta (11%)

Yellow (20%)

Black (54%)



Cyan (54%)



Magenta (59%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 8.218, 65.940 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, 8.218, 65.940 by changing the saturation by 10% instead.

 45, 8.218, 65.940	 45, 8.218, 65.940
 100, 8.218, 65.940	 35, 8.218, 65.940
 65, 8.218, 65.940	 25, 8.218, 65.940
 75, 8.218, 65.940	 15, 8.218, 65.940
 85, 8.218, 65.940	 5, 8.218, 65.940
 95, 8.218, 65.940	 0, 8.218, 65.940

 45, 8.218, 65.940	 45, 8.218, 65.940
 43, 12.755, 64.916	 47, 3.923, 66.969
 41, 17.548, 63.889	 49, 0.149, 249.987
 39, 22.598, 62.880	 52, 4.021, 249.205

37, 27.879, 61.882

54, 7.713, 250.194

35, 33.312, 60.867

56, 11.246,
251.180

33, 38.720, 59.755

58, 14.638,
252.143

31, 43.742, 58.367

30, 48.508, 57.037

61, 17.906,
253.076

30, 48.686, 57.001

63, 21.065,
253.976

65, 24.126,
254.841

Harmonies

Complementary

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



45, 8.218, 65.940



45, 7.668, 250.536

Rectangle

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



45, 8.218, 65.940



45, 8.218, 115.940



45, 8.218, 245.940



45, 8.218, 295.940

Sweetspot

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



45, 8.218, 65.952



62, 3.010, 67.294



43, 12.337, 341.729



31, 1.987, 67.253



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, 8.218, 65.952



57, 12.672, 65.436



48, 12.565, 105.451



23, 2.290, 67.027



31, 50.428, 56.914



63, 87.009, 54.796

Inverse Universe

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



45, 7.668, 250.536



56, 11.592, 251.296



41, 13.037, 289.548



23, 2.225, 249.153



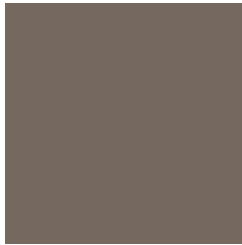
29, 35.628, 274.991



58, 63.344, 277.881

Previews

White Background



This preview shows how the CIELCh color 45, 8.218, 65.940 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, 8.218, 65.940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

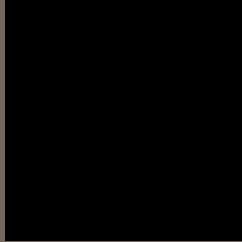
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 8.218, 65.940

Background



This preview shows how black text looks on a background with the CIELCh color 45, 8.218, 65.940.

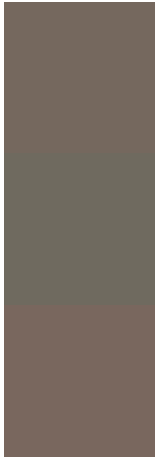


This preview shows how white text looks on a background with the CIELCh color 45, 8.218, 65.940.

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, 8.218, 65.940

Protanopia

45, 6.872, 91.048

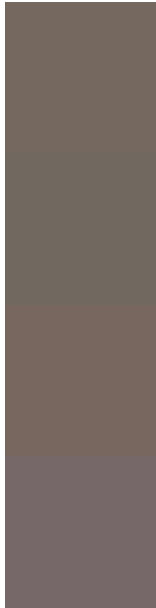
Deuteranopia

45, 9.542, 54.036



Tritanopia
45, 8.493, 346.428

Trichromacy



Original Color
45, 8.218, 65.940

Protanomaly
45, 6.870, 79.240

Deuteranomaly
45, 9.175, 55.564

Tritanomaly
45, 6.337, 14.791

Monochromacy



Original Color
45, 8.218, 65.940

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 3.158, 68.226

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 8.218, 65.940 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(117, 104, 94)` looks like.

```
.text, #text, p{  
    color:rgb(117, 104, 94)  
}
```

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(117, 104, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 104, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 8.218, 65.940 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(117, 104, 94) }
```

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

```
.border{ border-color:rgb(117, 104, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 104, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 104, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 104, 94);  
box-shadow:4px 4px 4px 4px rgb(117, 104,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 8.218, 65.940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 104, 94) }
```

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

```
.background{ background-color: rgb(117,  
104, 94) }
```

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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