

Converting Colors

CIELCh(45, 6.433, 27.554)

Have a look what the booklet for
CIELCh(45, 6.433, 27.554) contains.

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Color

CIELCh(45, 6.380, 25.460)

Conversions

Conversions Part 1

Format	Color
Hex	766766
RGB	118, 103, 102
RGB Percent	46%, 40%, 40%
CMY	0.5368, 0.5957, 0.5996
CMYK	0.00, 0.13, 0.14, 0.54
HSL	4°, 7%, 43%
HSV	4°, 14%, 46%
XYZ	14.7499, 14.5417, 14.6268
YIQ	107.3710, 9.2610, 2.8690

Conversions

Conversions Part 2

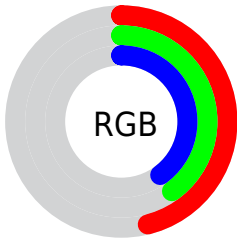
Format	Color
R _Y B	118, 103, 102
Decimal	7759718
CIE Lab	45.00, 5.76, 2.74
CIE LCh	45, 6.380, 25.460
Yxy	14.5417, 0.3358, 0.3311
Android (android.graphics.Color)	4285949798 (0xFF766766)
YUV	107.3710, -2.6479, 9.3216
Hunter-Lab	38.1336, 2.3093, 3.9518

Details

The CIELCh color $45, 6.380, 25.460$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $48, 5.863, 204.627$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 6.285, 24.953$, and $25, 6.687, 26.201$ is the 20% darker color. If you saturate the color by 10%, you get $42, 11.526, 26.091$, and if you desaturate by 10%, it is $48, 1.608, 24.860$.

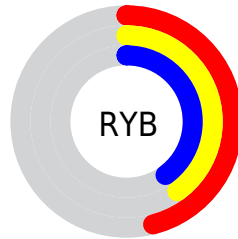
Distribution



Red (46%)

Green (40%)

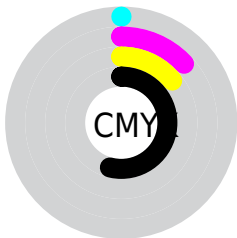
Blue (40%)



Red (46%)

Yellow (40%)

Blue (40%)

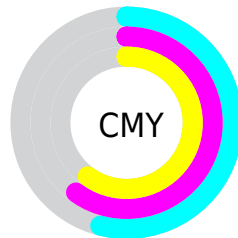


Cyan (0%)

Magenta (13%)

Yellow (14%)

Black (54%)



Cyan (54%)

Magenta (60%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 6.380, 25.460 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, 6.380, 25.460 by changing the saturation by 10% instead.

 45, 6.380, 25.460	 45, 6.380, 25.460
 100, 6.380, 25.460	 35, 6.380, 25.460
 65, 6.380, 25.460	 25, 6.380, 25.460
 75, 6.380, 25.460	 15, 6.380, 25.460
 85, 6.380, 25.460	 5, 6.380, 25.460
 95, 6.380, 25.460	 0, 6.380, 25.460

 45, 6.380, 25.460	 45, 6.380, 25.460
 42, 11.526, 26.091	 48, 1.608, 24.860
 38, 17.060, 26.897	 52, 2.811, 204.911
 35, 22.967, 27.960	 55, 6.910, 204.603

■ 32, 29.198, 29.352

■ 59, 10.720,
204.424

■ 30, 35.658, 31.141

■ 63, 14.275,
204.307

■ 27, 42.187, 33.356

■ 26, 48.521, 35.911

■ 66, 17.605,
204.235

■ 24, 53.749, 37.906

■ 70, 20.736,
204.194

■ 24, 56.407, 39.043

■ 73, 23.694,
204.178

■ 77, 26.499,
204.181

Harmonies

Complementary

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



45, 6.380, 25.460



48, 5.863, 204.627

Rectangle

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



45, 6.380, 25.460



45, 6.380, 75.460



45, 6.380, 205.460



45, 6.380, 255.460

Sweetspot

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



45, 6.379, 25.472



62, 2.244, 24.912



45, 11.159, 326.516



31, 1.589, 24.964



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, 6.379, 25.472



56, 9.415, 25.634



47, 6.009, 78.967



23, 2.589, 25.227



25, 58.172, 39.313



53, 102.190, 40.479

Inverse Universe

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



48, 5.863, 204.627



61, 8.490, 204.545



46, 5.879, 262.441



24, 2.450, 204.780



44, 26.911, 206.579



85, 45.458, 207.197

Previews

White Background



This preview shows how the CIELCh color 45, 6.380, 25.460 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, 6.380, 25.460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

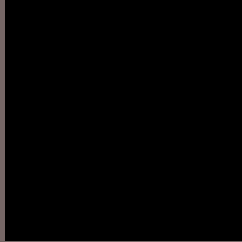
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 6.380, 25.460

Background



This preview shows how black text looks on a background with the CIELCh color 45, 6.380, 25.460.



This preview shows how white text looks on a background with the CIELCh color 45, 6.380, 25.460.

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, 6.380, 25.460

Protanopia

45, 1.711, 63.291

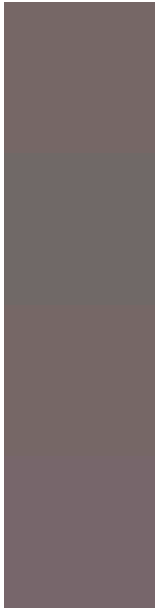
Deuteranopia

45, 6.380, 25.460



Tritanopia
45, 8.493, 346.428

Trichromacy



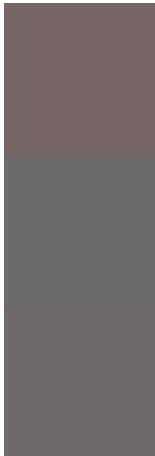
Original Color
45, 6.380, 25.460

Protanomaly
45, 3.154, 41.746

Deuteranomaly
45, 6.380, 25.460

Tritanomaly
45, 7.689, 357.662

Monochromacy



Original Color
45, 6.380, 25.460

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 2.153, 35.494

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 6.380, 25.460 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, 103, 102)` looks like.

```
.text, #text, p{  
    color:rgb(118, 103, 102)  
}
```

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, 103, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 103, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 6.380, 25.460 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, 103, 102) }
```

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

```
.border{ border-color:rgb(118, 103, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 103, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 103, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 103, 102);  
box-shadow:4px 4px 4px 4px rgb(118, 103,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 6.380, 25.460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 103, 102) }
```

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

```
.background{ background-color: rgb(118,  
103, 102) }
```

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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