

Converting Colors

CIELCh(45, 6.373, 357.011)

Have a look what the booklet for
CIELCh(45, 6.373, 357.011) contains.

CIELCh(45, 6.298, 358.007)	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, 6.298, 358.007)

Conversions

Conversions Part 1

Format	Color
Hex	75676B
RGB	117, 103, 107
RGB Percent	46%, 40%, 42%
CMY	0.5412, 0.5961, 0.5804
CMYK	0.00, 0.12, 0.09, 0.54
HSL	343°, 6%, 43%
HSV	343°, 12%, 46%
XYZ	14.8380, 14.5417, 15.9326
YIQ	107.6420, 7.0600, 4.2120

Conversions

Conversions Part 2

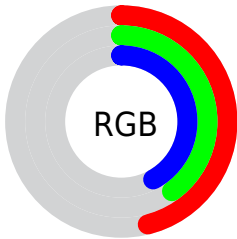
Format	Color
R _Y B	117, 103, 107
Decimal	7694187
CIE Lab	45.00, 6.29, -0.22
CIE LCh	45, 6.298, 358.007
Yxy	14.5417, 0.3275, 0.3209
Android (android.graphics.Color)	4285884267 (0xFF75676B)
YUV	107.6420, -0.3165, 8.2070
Hunter-Lab	38.1336, 2.7216, 1.9216

Details

The CIELCh color **45, 6.298, 358.007** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **48, 6.084, 175.963**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 6.220, 359.072**, and **25, 6.541, 357.062** is the 20% darker color. If you saturate the color by 10%, you get **42, 11.780, 359.106**, and if you desaturate by 10%, it is **49, 1.015, 356.816**.

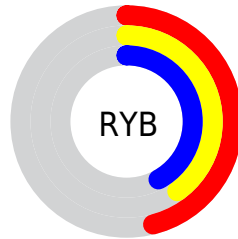
Distribution



Red (46%)

Green (40%)

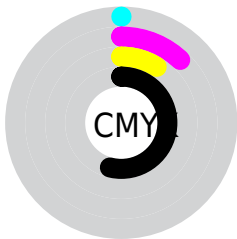
Blue (42%)



Red (46%)

Yellow (40%)

Blue (42%)

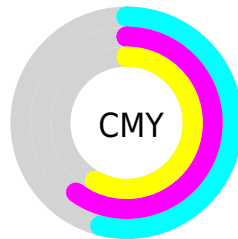


Cyan (0%)

Magenta (12%)

Yellow (9%)

Black (54%)



Cyan (54%)

Magenta (60%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 6.298, 358.007 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, 6.298, 358.007 by changing the saturation by 10% instead.

■ 45, 6.298, 358.007

■ 45, 6.298, 358.007

■ 100, 6.298,
358.007

■ 35, 6.298, 358.007

■ 65, 6.298, 358.007

■ 25, 6.298, 358.007

■ 75, 6.298, 358.007

■ 15, 6.298, 358.007

■ 85, 6.298, 358.007

■ 5, 6.298, 358.007

■ 95, 6.298, 358.007

■ 0, 6.298, 358.007

■ 45, 6.298, 358.007

■ 45, 6.298, 358.007

■ 42, 11.780,
359.106

■ 49, 1.015, 356.816

■ 38, 17.416, 0.360

■ 52, 4.043, 176.397

35, 23.114, 1.845

56, 8.873, 175.621

32, 28.734, 3.640

59, 13.482,
174.949

29, 34.083, 5.852

63, 17.883,
174.344

27, 38.931, 8.615

25, 43.071, 12.076

67, 22.093,
173.794

24, 46.402, 16.352

70, 26.127,
173.289

23, 49.004, 19.868

74, 30.002,
172.823

78, 33.733,
172.392

Harmonies

Complementary

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



45, 6.298, 358.007



48, 6.084, 175.963

Rectangle

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



45, 6.298, 358.007



45, 6.298, 48.007



45, 6.298, 178.007



45, 6.298, 228.007

Sweetspot

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



45, 6.297, 358.014



61, 2.582, 357.172



45, 9.279, 316.198



31, 1.826, 357.249



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, 6.297, 358.014



57, 9.222, 358.265



46, 5.001, 39.201



23, 2.951, 357.712



25, 50.689, 20.166



53, 87.592, 23.575

Inverse Universe

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



45, 6.297, 358.014



57, 9.222, 358.265



47, 4.655, 219.895



23, 2.951, 357.712



25, 50.689, 20.166



53, 87.592, 23.575

Previews

White Background



This preview shows how the CIELCh color 45, 6.298, 358.007 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, 6.298, 358.007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

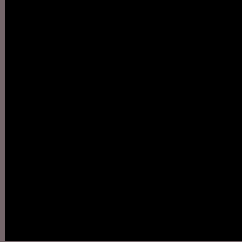
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 6.298, 358.007

Background



This preview shows how black text looks on a background with the CIELCh color 45, 6.298, 358.007.



This preview shows how white text looks on a background with the CIELCh color 45, 6.298, 358.007.

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, 6.298, 358.007

Protanopia

45, 1.980, 314.720

Deuteranopia

45, 6.298, 358.007



Tritanopia
45, 7.821, 342.864

Trichromacy



Original Color

45, 6.298, 358.007

Protanomaly

45, 3.063, 343.984

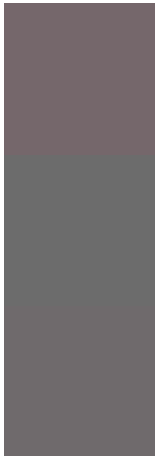
Deuteranomaly

45, 6.298, 358.007

Tritanomaly

45, 7.485, 346.516

Monochromacy



Original Color

45, 6.298, 358.007

Achromatopsia

46, 0.006, 296.813

Achromatomaly

45, 2.388, 349.672

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 6.298, 358.007 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, 103, 107)` looks like.

```
.text, #text, p{  
    color:rgb(117, 103, 107)  
}
```

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, 103, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 103, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 6.298, 358.007 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, 103, 107) }
```

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

```
.border{ border-color:rgb(117, 103, 107) }
```

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

Here you see how a box with a 4 pixel rgb(117, 103, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 103, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 103, 107);  
box-shadow:4px 4px 4px 4px rgb(117, 103,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 6.298, 358.007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 103, 107) }
```

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

```
.background{ background-color: rgb(117,  
103, 107) }
```

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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