

Converting Colors

CIELCh(45, 39.836, 67.159)

Have a look what the booklet for
CIELCh(45, 39.836, 67.159) contains.

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Color

CIELCh(45, 40.095, 66.758)

Conversions

Conversions Part 1

Format	Color
Hex	925F2C
RGB	146, 95, 44
RGB Percent	57%, 37%, 17%
CMY	0.4265, 0.6266, 0.8266
CMYK	0.00, 0.35, 0.70, 0.43
HSL	30°, 54%, 37%
HSV	30°, 70%, 57%
XYZ	16.4698, 14.5417, 4.3424
YIQ	104.4350, 46.7670, -5.0490

Conversions

Conversions Part 2

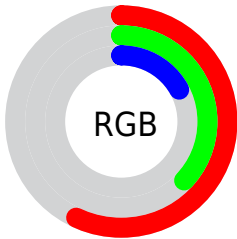
Format	Color
RYB	146, 146, 44
Decimal	9592620
CIELab	45.00, 15.82, 36.84
CIELCh	45, 40.095, 66.758
Yxy	14.5417, 0.4659, 0.4113
Android (android.graphics.Color)	4287782700 (0xFF925F2C)
YUV	104.4350, -29.7945, 36.4525
Hunter-Lab	38.1336, 10.3598, 19.9420

Details

The CIELCh color **45, 40.095, 66.758** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **39, 33.059, 270.747**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 40.024, 67.240**, and **25, 38.314, 66.020** is the 20% darker color. If you saturate the color by 10%, you get **43, 46.145, 65.279**, and if you desaturate by 10%, it is **47, 33.822, 68.086**.

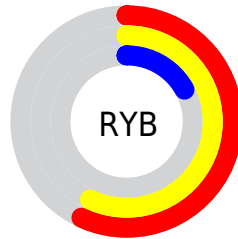
Distribution



Red (57%)

Green (37%)

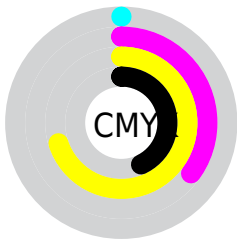
Blue (17%)



Red (57%)

Yellow (57%)

Blue (17%)

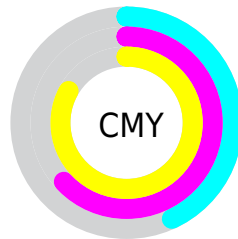


Cyan (0%)

Magenta (35%)

Yellow (70%)

Black (43%)



Cyan (43%)

Magenta (63%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 40.095, 66.758 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, 40.095, 66.758 by changing the saturation by 10% instead.

■ 45, 40.095, 66.758

■ 45, 40.095, 66.758

■ 100, 40.095,
66.758

■ 35, 40.095, 66.758

■ 65, 40.095, 66.758

■ 25, 40.095, 66.758

■ 75, 40.095, 66.758

■ 15, 40.095, 66.758

■ 85, 40.095, 66.758

■ 5, 40.095, 66.758

■ 95, 40.095, 66.758

■ 0, 40.095, 66.758

■ 45, 40.095, 66.758

■ 45, 40.095, 66.758

■ 43, 46.145, 65.279

■ 47, 33.822, 68.086

■ 41, 51.464, 63.445

■ 49, 27.605, 69.348

39, 56.007, 61.377

51, 21.573, 70.586

39, 56.124, 61.341

54, 15.780, 71.812

56, 10.240, 73.022

58, 4.946, 74.197

61, 0.120, 257.880

63, 4.976, 256.651

66, 9.645, 257.743

Harmonies

Complementary

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



45, 40.095, 66.758



39, 33.059, 270.747

Rectangle

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



45, 40.095, 66.758



45, 40.095, 116.758



45, 40.095, 246.758



45, 40.095, 296.758

Sweetspot

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



45, 40.094, 66.762



71, 13.589, 72.822



36, 48.043, 351.104



37, 9.324, 72.521



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



45, 40.094, 66.762



55, 60.294, 64.240



58, 52.287, 103.234



30, 2.882, 74.260



37, 53.659, 61.563



2, 2.480, 75.405

Inverse Universe

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



39, 33.059, 270.747



46, 49.053, 277.072



25, 64.499, 300.855



30, 2.823, 256.633



30, 44.599, 282.880



1, 2.480, 255.418

Previews

White Background



This preview shows how the CIELCh color 45, 40.095, 66.758 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, 40.095, 66.758 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, 40.095, 66.758

Background



This preview shows how black text looks on a background with the CIELCh color 45, 40.095, 66.758.



This preview shows how white text looks on a background with the CIELCh color 45, 40.095, 66.758.

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, 40.095, 66.758

Protanopia

45, 34.373, 95.614

Deuteranopia

45, 38.092, 81.501



Tritanopia
45, 26.405, 15.637

Trichromacy



Original Color
45, 40.095, 66.758

Protanomaly
45, 35.058, 84.216

Deuteranomaly
45, 38.507, 76.198

Tritanomaly
45, 28.412, 40.454

Monochromacy



Original Color
45, 40.095, 66.758

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 13.828, 70.345

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 40.095, 66.758 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(146, 95, 44)` looks like.

```
.text, #text, p{  
    color:rgb(146, 95, 44)  
}
```

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(146, 95, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 95, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 40.095, 66.758 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(146, 95, 44) }
```

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

```
.border{ border-color:rgb(146, 95, 44) }
```

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

Here you see how a box with a 4 pixel rgb(146, 95, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 95, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 95, 44);  
box-shadow:4px 4px 4px 4px rgb(146, 95,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 40.095, 66.758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 95, 44) }
```

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

```
.background{ background-color: rgb(146, 95,  
44) }
```

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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