

Converting Colors

CIELCh(39, 68.866, 45.899)

Have a look what the booklet for
CIELCh(39, 68.866, 45.899) contains.

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Color

CIELCh(39, 69.050, 45.770)

Conversions

Conversions Part 1

Format	Color
Hex	AA3005
RGB	170, 48, 5
RGB Percent	67%, 19%, 2%
CMY	0.3336, 0.8120, 0.9806
CMYK	0.00, 0.72, 0.97, 0.33
HSL	16°, 94%, 34%
HSV	16°, 97%, 67%
XYZ	17.6455, 10.6589, 1.2694
YIQ	79.5760, 86.5150, 12.4910

Conversions

Conversions Part 2

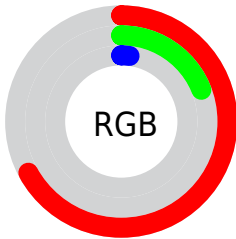
Format	Color
R _Y B	170, 63, 5
Decimal	11153413
CIE Lab	39.00, 48.17, 49.48
CIE LCh	39, 69.050, 45.770
Yxy	10.6589, 0.5967, 0.3604
Android (android.graphics.Color)	4289343493 (0xFFAA3005)
YUV	79.5760, -36.7660, 79.3018
Hunter-Lab	32.6480, 39.3408, 20.5483

Details

The CIELCh color **39, 69.050, 45.770** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **50, 33.672, 246.837**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 69.166, 45.875**, and **21, 53.487, 36.780** is the 20% darker color. If you saturate the color by 10%, you get **38, 71.035, 45.863**, and if you desaturate by 10%, it is **41, 62.245, 46.086**.

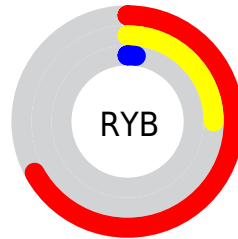
Distribution



Red (67%)

Green (19%)

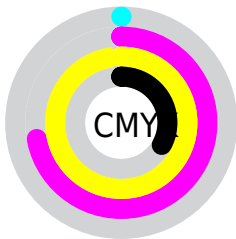
Blue (2%)



Red (67%)

Yellow (25%)

Blue (2%)

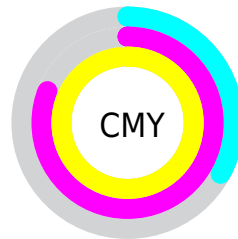


Cyan (0%)

Magenta (72%)

Yellow (97%)

Black (33%)



Cyan (33%)

Magenta (81%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 69.050, 45.770 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 39, 69.050, 45.770 by changing the saturation by 10% instead.

39, 69.050, 45.770

39, 69.050, 45.770

100, 69.050,
45.770

29, 69.050, 45.770

59, 69.050, 45.770

19, 69.050, 45.770

69, 69.050, 45.770

9, 69.050, 45.770

79, 69.050, 45.770

0, 69.050, 45.770

89, 69.050, 45.770

99, 69.050, 45.770

39, 69.050, 45.770

39, 69.050, 45.770

38, 71.035, 45.863

41, 62.245, 46.086

43, 54.218, 45.913

46, 45.859, 45.605

49, 37.684, 45.380

53, 29.918, 45.305

56, 22.648, 45.383

60, 15.893, 45.596

63, 9.636, 45.910

67, 3.844, 46.256

Harmonies

Complementary

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



39, 69.050, 45.770



50, 33.672, 246.837

Rectangle

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



39, 69.050, 45.770



39, 69.050, 95.770



39, 69.050, 225.770



39, 69.050, 275.770

Sweetspot

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



39, 69.048, 45.772



75, 21.342, 45.533



38, 70.235, 340.852



38, 15.009, 45.442



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



39, 69.048, 45.772



50, 87.240, 45.321



56, 61.189, 84.064



34, 3.071, 46.188



33, 63.777, 46.131



2, 5.504, 42.328

Inverse Universe

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



50, 33.672, 246.837



63, 41.858, 249.060



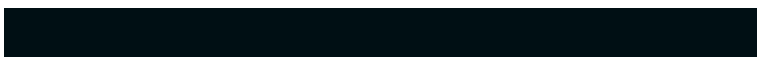
26, 78.510, 299.630



34, 2.914, 227.328



43, 30.695, 247.509



4, 5.383, 235.476

Previews

White Background



This preview shows how the CIELCh color 39, 69.050, 45.770 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 39, 69.050, 45.770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

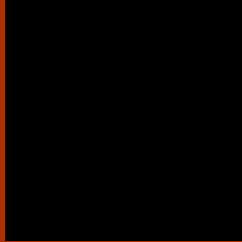
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 69.050, 45.770

Background



This preview shows how black text looks on a background with the CIELCh color 39, 69.050, 45.770.



This preview shows how white text looks on a background with the CIELCh color 39, 69.050, 45.770.

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

39, 69.050, 45.770

Protanopia

39, 40.836, 95.239

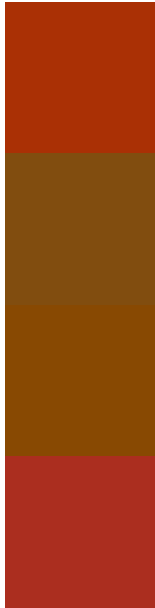
Deuteranopia

39, 47.334, 84.492



Tritanopia
39, 59.076, 30.845

Trichromacy



Original Color
39, 69.050, 45.770

Protanomaly
38, 45.647, 67.820

Deuteranomaly
38, 51.934, 64.353

Tritanomaly
39, 63.112, 37.931

Monochromacy



Original Color
39, 69.050, 45.770

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 24.664, 44.332

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 69.050, 45.770 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(170, 48, 5)` looks like.

```
.text, #text, p{  
    color:rgb(170, 48, 5)  
}
```

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(170, 48, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 48, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 69.050, 45.770 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(170, 48, 5) }
```

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

```
.border{ border-color:rgb(170, 48, 5) }
```

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

Here you see how a box with a 4 pixel rgb(170, 48, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 48, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 48, 5);  
box-shadow:4px 4px 4px 4px rgb(170, 48, 5)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 69.050, 45.770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 48, 5) }
```

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

```
.background{ background-color: rgb(170, 48,  
5) }
```

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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