

Converting Colors

CIELCh(39, 67.343, 48.687)

Have a look what the booklet for
CIELCh(39, 67.343, 48.687) contains.

CIELCh(39, 67.396, 48.458)	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(39, 67.396, 48.458)

Conversions

Conversions Part 1

Format	Color
Hex	A63501
RGB	166, 53, 1
RGB Percent	65%, 21%, 0%
CMY	0.3489, 0.7921, 0.9960
CMYK	0.00, 0.68, 0.99, 0.35
HSL	19°, 99%, 33%
HSV	19°, 99%, 65%
XYZ	17.0092, 10.6589, 1.1900
YIQ	80.8590, 84.0400, 7.7840

Conversions

Conversions Part 2

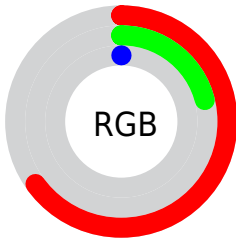
Format	Color
RYB	166, 77, 1
Decimal	10892545
CIELab	39.00, 44.69, 50.44
CIELCh	39, 67.396, 48.458
Yxy	10.6589, 0.5894, 0.3694
Android (android.graphics.Color)	4289082625 (0xFFA63501)
YUV	80.8590, -39.3705, 74.6687
Hunter-Lab	32.6480, 35.8622, 20.6926

Details

The CIELCh color **39, 67.396, 48.458** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **45, 36.115, 258.170**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 67.231, 48.224**, and **20, 51.788, 36.330** is the 20% darker color. If you saturate the color by 10%, you get **39, 67.808, 48.455**, and if you desaturate by 10%, it is **41, 61.039, 49.299**.

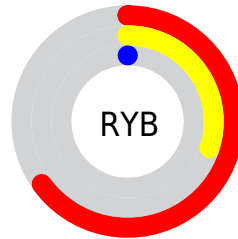
Distribution



Red (65%)

Green (21%)

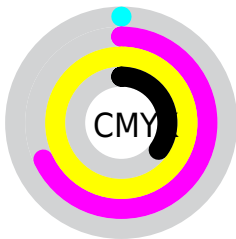
Blue (0%)



Red (65%)

Yellow (30%)

Blue (0%)

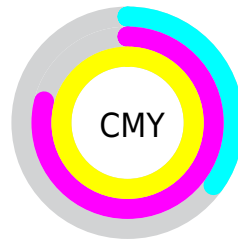


Cyan (0%)

Magenta (68%)

Yellow (99%)

Black (35%)



Cyan (35%)

Magenta (79%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 67.396, 48.458 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, 67.396, 48.458 by changing the saturation by 10% instead.

■ 39, 67.396, 48.458

■ 39, 67.396, 48.458

■ 100, 67.396,
48.458

■ 29, 67.396, 48.458

■ 59, 67.396, 48.458

■ 19, 67.396, 48.458

■ 69, 67.396, 48.458

■ 9, 67.396, 48.458

■ 79, 67.396, 48.458

■ 0, 67.396, 48.458

■ 89, 67.396, 48.458

■ 99, 67.396, 48.458

■ 39, 67.396, 48.458

■ 39, 67.396, 48.458

■ 39, 67.808, 48.455

■ 41, 61.039, 49.299

■ 43, 53.647, 49.816

■ 46, 45.742, 50.061

■ 49, 37.911, 50.287

■ 52, 30.419, 50.592

■ 55, 23.370, 51.001

■ 58, 16.792, 51.506

■ 61, 10.673, 52.087

■ 65, 4.982, 52.700

Harmonies

Complementary

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



39, 67.396, 48.458



45, 36.115, 258.170

Rectangle

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



39, 67.396, 48.458



39, 67.396, 98.458



39, 67.396, 228.458



39, 67.396, 278.458

Sweetspot

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



39, 67.394, 48.460



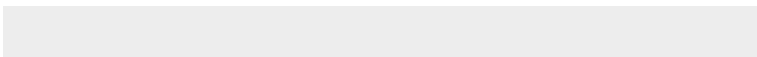
74, 21.389, 51.443



37, 66.990, 344.601



38, 14.936, 51.231



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



39, 67.394, 48.460



51, 83.273, 47.817



57, 61.878, 88.096



34, 3.036, 52.705



35, 62.060, 48.780



3, 5.415, 48.007

Inverse Universe

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



45, 36.115, 258.170



58, 44.655, 259.491



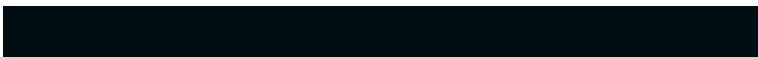
23, 83.818, 302.094



34, 2.896, 234.277



40, 33.142, 257.914



3, 5.440, 242.836

Previews

White Background



This preview shows how the CIELCh color 39, 67.396, 48.458 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, 67.396, 48.458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

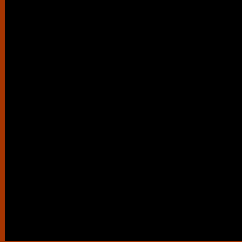
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 67.396, 48.458

Background



This preview shows how black text looks on a background with the CIELCh color 39, 67.396, 48.458.



This preview shows how white text looks on a background with the CIELCh color 39, 67.396, 48.458.

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, 67.396, 48.458

Protanopia

39, 41.564, 95.265

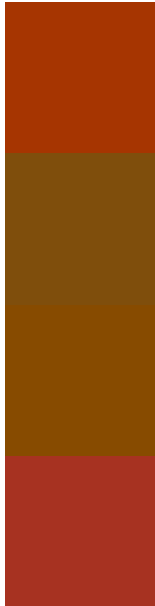
Deuteranopia

39, 47.334, 84.492



Tritanopia
39, 54.925, 28.638

Trichromacy



Original Color
39, 67.396, 48.458

Protanomaly
38, 45.873, 70.083

Deuteranomaly
38, 51.969, 66.365

Tritanomaly
39, 59.966, 38.451

Monochromacy



Original Color
39, 67.396, 48.458

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 24.092, 50.658

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 67.396, 48.458 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(166, 53, 1)` looks like.

```
.text, #text, p{  
    color:rgb(166, 53, 1)  
}
```

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(166, 53, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 53, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 67.396, 48.458 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(166, 53, 1) }
```

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

```
.border{ border-color:rgb(166, 53, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 53, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 53, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 53, 1);  
box-shadow:4px 4px 4px 4px rgb(166, 53, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 67.396, 48.458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 53, 1) }
```

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

```
.background{ background-color: rgb(166, 53,  
1) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor