

Converting Colors

CIELCh(39, 46.033, 12.797)

Have a look what the booklet for
CIELCh(39, 46.033, 12.797) contains.

CIELCh(39, 45.999, 13.045)	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, 45.999, 13.045)

Conversions

Conversions Part 1

Format	Color
Hex	9F374D
RGB	159, 55, 77
RGB Percent	62%, 22%, 30%
CMY	0.3761, 0.7839, 0.6977
CMYK	0.00, 0.65, 0.52, 0.38
HSL	347°, 49%, 42%
HSV	347°, 65%, 62%
XYZ	17.0304, 10.6589, 8.1958
YIQ	88.6040, 54.9220, 28.8900

Conversions

Conversions Part 2

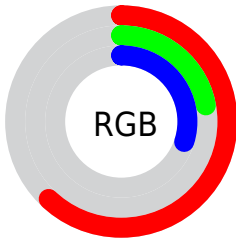
Format	Color
RYB	159, 55, 77
Decimal	10434381
CIELab	39.00, 44.81, 10.38
CIElCh	39, 45.999, 13.045
Yxy	10.6589, 0.4746, 0.2970
Android (android.graphics.Color)	4288624461 (0xFF9F374D)
YUV	88.6040, -5.7208, 61.7373
Hunter-Lab	32.6480, 35.9781, 7.9698

Details

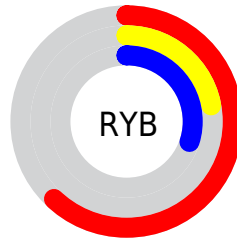
The CIELCh color **39, 45.999, 13.045** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **59, 35.208, 175.514**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 45.964, 13.105**, and **20, 43.694, 15.508** is the 20% darker color. If you saturate the color by 10%, you get **36, 52.275, 16.460**, and if you desaturate by 10%, it is **42, 39.083, 10.338**.

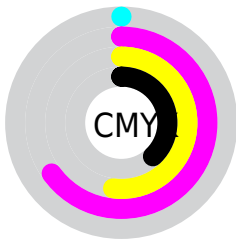
Distribution



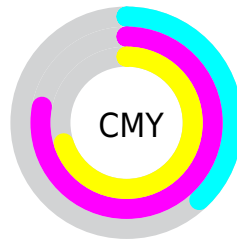
- Red (62%)
- Green (22%)
- Blue (30%)



- Red (62%)
- Yellow (22%)
- Blue (30%)



- Cyan (0%)
- Magenta (65%)
- Yellow (52%)
- Black (38%)



- Cyan (38%)
- Magenta (78%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 45.999, 13.045 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, 45.999, 13.045 by changing the saturation by 10% instead.

■ 39, 45.999, 13.045

■ 39, 45.999, 13.045

■ 100, 45.999,
13.045

■ 29, 45.999, 13.045

■ 59, 45.999, 13.045

■ 19, 45.999, 13.045

■ 69, 45.999, 13.045

■ 9, 45.999, 13.045

■ 79, 45.999, 13.045

■ 0, 45.999, 13.045

■ 89, 45.999, 13.045

■ 99, 45.999, 13.045

■ 39, 45.999, 13.045

■ 39, 45.999, 13.045

■ 36, 52.275, 16.460

■ 42, 39.083, 10.338

35, 57.721, 20.684

46, 31.814, 8.183

33, 62.339, 25.656

50, 24.452, 6.449

33, 64.469, 27.893

54, 17.198, 5.025

59, 10.181, 3.828

63, 3.469, 2.745

68, 2.908, 182.152

72, 8.951, 181.298

77, 14.673,
180.611

Harmonies

Complementary

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



39, 45.999, 13.045



59, 35.208, 175.514

Rectangle

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



39, 45.999, 13.045



39, 45.999, 63.045



39, 45.999, 193.045



39, 45.999, 243.045

Sweetspot

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



39, 45.996, 13.047



72, 16.583, 4.404



39, 65.068, 320.764



37, 11.473, 4.727



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



39, 45.996, 13.047



47, 66.300, 18.095



44, 41.621, 47.425



31, 3.670, 3.167



29, 59.299, 27.325



1, 4.676, 3.210

Inverse Universe

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



39, 45.996, 13.047



47, 66.300, 18.095



51, 26.347, 238.968



31, 3.670, 3.167



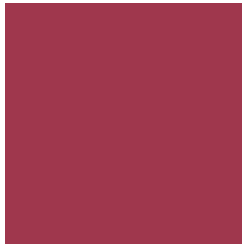
29, 59.299, 27.325



1, 4.676, 3.210

Previews

White Background



This preview shows how the CIELCh color 39, 45.999, 13.045 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 39, 45.999, 13.045 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, 45.999, 13.045

Background



This preview shows how black text looks on a background with the CIELCh color 39, 45.999, 13.045.



This preview shows how white text looks on a background with the CIELCh color 39, 45.999, 13.045.

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, 45.999, 13.045

Protanopia

39, 2.491, 300.144

Deuteranopia

39, 14.020, 67.155



Tritanopia
39, 46.312, 25.278

Trichromacy



Original Color
39, 45.999, 13.045

Protanomaly
38, 17.579, 2.050

Deuteranomaly
38, 23.352, 27.327

Tritanomaly
39, 45.817, 21.187

Monochromacy



Original Color
39, 45.999, 13.045

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 16.975, 5.496

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 45.999, 13.045 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(159, 55, 77)` looks like.

```
.text, #text, p{  
    color:rgb(159, 55, 77)  
}
```

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(159, 55, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 55, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 45.999, 13.045 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(159, 55, 77) }
```

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

```
.border{ border-color:rgb(159, 55, 77) }
```

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

Here you see how a box with a 4 pixel rgb(159, 55, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 55, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 55, 77);  
box-shadow:4px 4px 4px 4px rgb(159, 55,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 45.999, 13.045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 55, 77) }
```

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

```
.background{ background-color: rgb(159, 55,  
77) }
```

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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