

Converting Colors

CIELCh(39, 45.016, 27.446)

Have a look what the booklet for
CIELCh(39, 45.016, 27.446) contains.

CIELCh(39, 45.194, 27.558)	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, 45.194, 27.558)

Conversions

Conversions Part 1

Format	Color
Hex	9C3C3C
RGB	156, 60, 60
RGB Percent	61%, 24%, 24%
CMY	0.3876, 0.7641, 0.7642
CMYK	0.00, 0.61, 0.61, 0.39
HSL	0°, 44%, 42%
HSV	0°, 61%, 61%
XYZ	16.1847, 10.6589, 5.4971
YIQ	88.7040, 57.2160, 20.3520

Conversions

Conversions Part 2

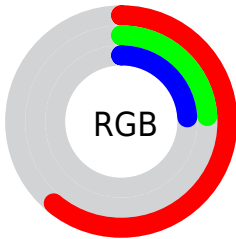
Format	Color
RYB	156, 60, 60
Decimal	10239036
CIELab	39.00, 40.07, 20.91
CIElCh	39, 45.194, 27.558
Yxy	10.6589, 0.5004, 0.3296
Android (android.graphics.Color)	4288429116 (0xFF9C3C3C)
YUV	88.7040, -14.1511, 59.0186
Hunter-Lab	32.6480, 31.3542, 12.8707

Details

The CIELCh color **39, 45.194, 27.558** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **59, 28.795, 196.908**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 45.439, 27.518**, and **19, 45.153, 27.623** is the 20% darker color. If you saturate the color by 10%, you get **36, 53.336, 30.472**, and if you desaturate by 10%, it is **42, 36.965, 25.231**.

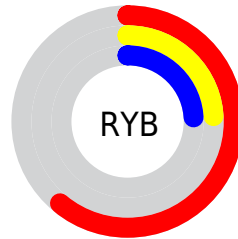
Distribution



Red (61%)

Green (24%)

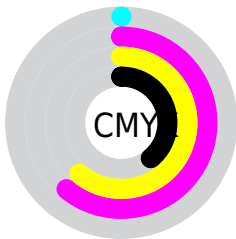
Blue (24%)



Red (61%)

Yellow (24%)

Blue (24%)

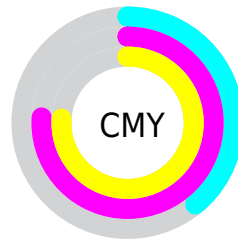


Cyan (0%)

Magenta (61%)

Yellow (61%)

Black (39%)



Cyan (39%)

Magenta (76%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 45.194, 27.558 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, 45.194, 27.558 by changing the saturation by 10% instead.

■ 39, 45.194, 27.558

■ 39, 45.194, 27.558

■ 100, 45.194,
27.558

■ 29, 45.194, 27.558

■ 59, 45.194, 27.558

■ 19, 45.194, 27.558

■ 69, 45.194, 27.558

■ 9, 45.194, 27.558

■ 79, 45.194, 27.558

■ 0, 45.194, 27.558

■ 89, 45.194, 27.558

■ 99, 45.194, 27.558

■ 39, 45.194, 27.558

■ 39, 45.194, 27.558

■ 36, 53.336, 30.472

■ 42, 36.965, 25.231

■ 34, 61.041, 33.873

■ 46, 28.908, 23.421

■ 33, 67.644, 37.280

■ 50, 21.199, 22.026

■ 32, 72.093, 39.619

■ 55, 13.941, 20.948

■ 59, 7.175, 20.093

■ 64, 0.899, 19.004

■ 68, 4.912, 199.102

■ 73, 10.299,
198.652

■ 78, 15.306,
198.314

Harmonies

Complementary

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



39, 45.194, 27.558



59, 28.795, 196.908

Rectangle

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



39, 45.194, 27.558



39, 45.194, 77.558



39, 45.194, 207.558



39, 45.194, 257.558

Sweetspot

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



39, 45.192, 27.561



72, 14.339, 20.660



42, 62.309, 327.450



36, 10.045, 20.909



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



39, 45.192, 27.561



47, 68.842, 31.775



50, 36.850, 67.827



31, 3.534, 19.919



29, 67.089, 39.165



1, 4.472, 19.423

Inverse Universe

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



59, 28.795, 196.908



75, 39.126, 196.634



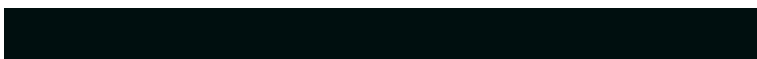
44, 30.945, 268.041



33, 3.338, 199.017



54, 32.533, 196.422



3, 4.471, 199.446

Previews

White Background



This preview shows how the CIELCh color 39, 45.194, 27.558 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, 45.194, 27.558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

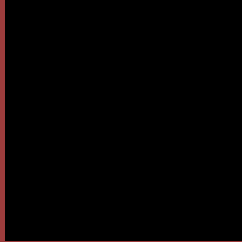
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 45.194, 27.558

Background



This preview shows how black text looks on a background with the CIELCh color 39, 45.194, 27.558.

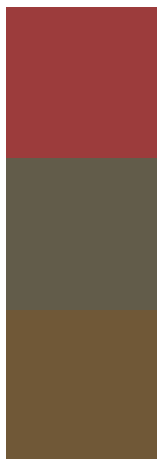


This preview shows how white text looks on a background with the CIELCh color 39, 45.194, 27.558.

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, 45.194, 27.558

Protanopia

39, 11.280, 94.473

Deuteranopia

39, 23.419, 77.017



Tritanopia
39, 44.598, 25.391

Trichromacy



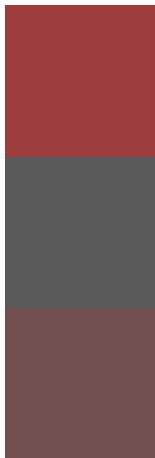
Original Color
39, 45.194, 27.558

Protanomaly
38, 19.840, 41.340

Deuteranomaly
38, 28.302, 48.589

Tritanomaly
39, 44.789, 26.121

Monochromacy



Original Color
39, 45.194, 27.558

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 15.410, 21.734

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 45.194, 27.558 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(156, 60, 60)` looks like.

```
.text, #text, p{  
    color:rgb(156, 60, 60)  
}
```

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(156, 60, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 60, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 45.194, 27.558 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(156, 60, 60) }
```

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

```
.border{ border-color:rgb(156, 60, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 60, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 60, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 60, 60);  
box-shadow:4px 4px 4px 4px rgb(156, 60,  
60) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 45.194, 27.558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 60, 60) }
```

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

```
.background{ background-color: rgb(156, 60,  
60) }
```

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