

Converting Colors

CIELCh(39, 59.435, 31.407)

Have a look what the booklet for
CIELCh(39, 59.435, 31.407) contains.

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Color

CIELCh(39, 59.338, 31.349)

Conversions

Conversions Part 1

Format	Color
Hex	AB2D2D
RGB	171, 45, 45
RGB Percent	67%, 18%, 18%
CMY	0.3307, 0.8248, 0.8245
CMYK	0.00, 0.74, 0.74, 0.33
HSL	360°, 59%, 42%
HSV	360°, 74%, 67%
XYZ	18.1155, 10.6589, 3.5607
YIQ	82.6740, 75.0960, 26.7120

Conversions

Conversions Part 2

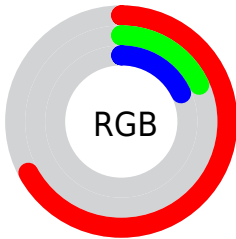
Format	Color
RYB	171, 45, 45
Decimal	11218221
CIELab	39.00, 50.68, 30.87
CIElCh	39, 59.338, 31.349
Yxy	10.6589, 0.5602, 0.3296
Android (android.graphics.Color)	4289408301 (0xFFAB2D2D)
YUV	82.6740, -18.5733, 77.4619
Hunter-Lab	32.6480, 41.9105, 16.3873

Details

The CIELCh color **39, 59.338, 31.349** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **64, 34.056, 196.545**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 59.611, 31.337**, and **22, 54.329, 36.989** is the 20% darker color. If you saturate the color by 10%, you get **37, 67.370, 34.862**, and if you desaturate by 10%, it is **42, 50.673, 28.255**.

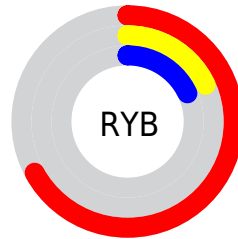
Distribution



Red (67%)

Green (18%)

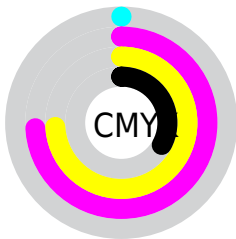
Blue (18%)



Red (67%)

Yellow (18%)

Blue (18%)

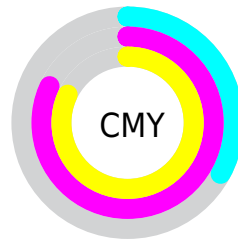


Cyan (0%)

Magenta (74%)

Yellow (74%)

Black (33%)



Cyan (33%)

Magenta (82%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 59.338, 31.349 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, 59.338, 31.349 by changing the saturation by 10% instead.

■ 39, 59.338, 31.349

■ 39, 59.338, 31.349

■ 100, 59.338,
31.349

■ 29, 59.338, 31.349

■ 59, 59.338, 31.349

■ 19, 59.338, 31.349

■ 69, 59.338, 31.349

■ 9, 59.338, 31.349

■ 79, 59.338, 31.349

■ 0, 59.338, 31.349

■ 89, 59.338, 31.349

■ 99, 59.338, 31.349

■ 39, 59.338, 31.349

■ 39, 59.338, 31.349

■ 37, 67.370, 34.862

■ 42, 50.673, 28.255

36, 73.874, 38.118

45, 41.827, 25.748

35, 77.255, 39.871

49, 33.098, 23.791

54, 24.701, 22.285

58, 16.769, 21.125

63, 9.362, 20.216

68, 2.490, 19.383

73, 3.871, 199.167

78, 9.763, 198.662

Harmonies

Complementary

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



39, 59.338, 31.349



64, 34.056, 196.545

Rectangle

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



39, 59.338, 31.349



39, 59.338, 81.349



39, 59.338, 211.349



39, 59.338, 261.349

Sweetspot

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



39, 59.336, 31.351



75, 19.067, 20.982



43, 75.935, 327.299



38, 13.043, 21.248



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, 59.336, 31.351



47, 87.601, 37.163



51, 48.363, 64.531



33, 3.724, 19.855



30, 69.004, 39.334



1, 6.572, 19.359

Inverse Universe

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



39, 59.336, 31.351



47, 87.601, 37.163



45, 38.500, 270.749



33, 3.724, 19.855



30, 69.004, 39.334



1, 6.572, 19.359

Previews

White Background



This preview shows how the CIELCh color 39, 59.338, 31.349 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, 59.338, 31.349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

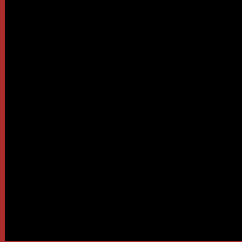
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 59.338, 31.349

Background



This preview shows how black text looks on a background with the CIELCh color 39, 59.338, 31.349.



This preview shows how white text looks on a background with the CIELCh color 39, 59.338, 31.349.

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, 59.338, 31.349

Protanopia

39, 19.669, 96.036

Deuteranopia

39, 33.686, 80.511



Tritanopia
39, 59.308, 30.543

Trichromacy



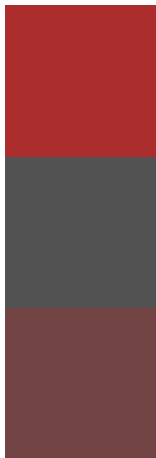
Original Color
39, 59.338, 31.349

Protanomaly
37, 28.623, 47.269

Deuteranomaly
38, 39.266, 51.591

Tritanomaly
39, 59.308, 30.543

Monochromacy



Original Color
39, 59.338, 31.349

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 21.560, 23.045

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 59.338, 31.349 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(171, 45, 45)` looks like.

```
.text, #text, p{  
    color:rgb(171, 45, 45)  
}
```

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(171, 45, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 45, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 59.338, 31.349 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(171, 45, 45) }
```

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

```
.border{ border-color:rgb(171, 45, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 45, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 45, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 45, 45);  
box-shadow:4px 4px 4px 4px rgb(171, 45,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 59.338, 31.349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 45, 45) }
```

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

```
.background{ background-color: rgb(171, 45,  
45) }
```

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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