

Converting Colors

CIELCh(39, 66.164, 33.639)

Have a look what the booklet for
CIELCh(39, 66.164, 33.639) contains.

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Color

CIELCh(39, 66.383, 33.908)

Conversions

Conversions Part 1

Format	Color
Hex	B12423
RGB	177, 36, 35
RGB Percent	69%, 14%, 14%
CMY	0.3074, 0.8604, 0.8638
CMYK	0.00, 0.80, 0.80, 0.31
HSL	0°, 67%, 41%
HSV	0°, 80%, 69%
XYZ	18.9628, 10.6589, 2.6275
YIQ	78.0450, 84.3570, 29.5810

Conversions

Conversions Part 2

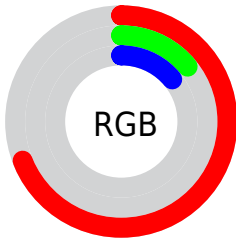
Format	Color
R_{YB}	177, 36, 35
Decimal	11609123
CIE Lab	39.00, 55.09, 37.03
CIE LCh	39, 66.383, 33.908
Yxy	10.6589, 0.5880, 0.3305
Android (android.graphics.Color)	4289799203 (0xFFB12423)
YUV	78.0450, -21.2212, 86.7835
Hunter-Lab	32.6480, 46.5431, 18.0820

Details

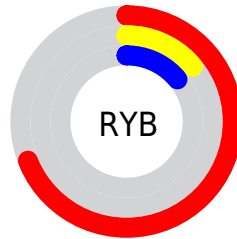
The CIELCh color **39, 66.383, 33.908** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **65, 35.905, 197.315**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 66.264, 33.921**, and **23, 56.415, 37.464** is the 20% darker color. If you saturate the color by 10%, you get **37, 73.791, 37.286**, and if you desaturate by 10%, it is **41, 57.797, 30.565**.

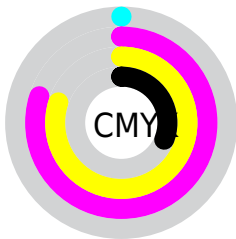
Distribution



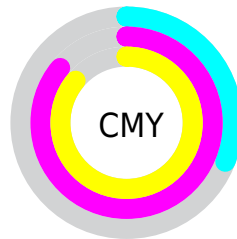
- Red (69%)
- Green (14%)
- Blue (14%)



- Red (69%)
- Yellow (14%)
- Blue (14%)



- Cyan (0%)
- Magenta (80%)
- Yellow (80%)
- Black (31%)



- Cyan (31%)
- Magenta (86%)
- Yellow (86%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 66.383, 33.908 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, 66.383, 33.908 by changing the saturation by 10% instead.

 39, 66.383, 33.908

 39, 66.383, 33.908

 100, 66.383,
33.908

 29, 66.383, 33.908

 59, 66.383, 33.908

 19, 66.383, 33.908

 69, 66.383, 33.908

 9, 66.383, 33.908

 79, 66.383, 33.908

 0, 66.383, 33.908

 89, 66.383, 33.908

 99, 66.383, 33.908

 39, 66.383, 33.908

 39, 66.383, 33.908

 37, 73.791, 37.286

 41, 57.797, 30.565

37, 79.259, 40.028

45, 48.769, 27.718

48, 39.688, 25.449

53, 30.829, 23.692

57, 22.380, 22.344

62, 14.444, 21.304

67, 7.059, 20.478

72, 0.220, 17.647

77, 6.108, 199.540

Harmonies

Complementary

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



39, 66.383, 33.908



65, 35.905, 197.315

Rectangle

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



39, 66.383, 33.908



39, 66.383, 83.908



39, 66.383, 213.908



39, 66.383, 263.908

Sweetspot

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



39, 66.380, 33.910



76, 21.428, 21.697



44, 81.788, 327.999



38, 14.900, 22.065



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



39, 66.380, 33.910



48, 94.405, 39.154



51, 54.193, 64.992



35, 3.887, 20.401



31, 70.847, 39.616



2, 9.112, 19.796

Inverse Universe

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



65, 35.905, 197.315



83, 45.672, 197.316



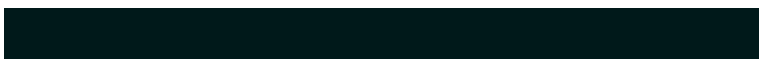
44, 44.060, 275.320



37, 3.668, 199.513



57, 33.934, 197.310



7, 9.051, 199.893

Previews

White Background



This preview shows how the CIELCh color 39, 66.383, 33.908 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, 66.383, 33.908 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, 66.383, 33.908

Background



This preview shows how black text looks on a background with the CIELCh color 39, 66.383, 33.908.



This preview shows how white text looks on a background with the CIELCh color 39, 66.383, 33.908.

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, 66.383, 33.908

Protanopia

39, 25.571, 95.268

Deuteranopia

39, 40.596, 82.650



Tritanopia
39, 66.565, 33.695

Trichromacy



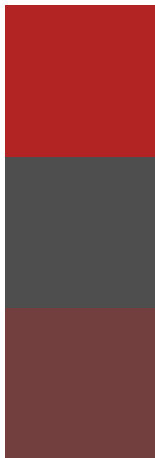
Original Color
39, 66.383, 33.908

Protanomaly
37, 34.677, 50.392

Deuteranomaly
38, 45.974, 54.454

Tritanomaly
39, 66.565, 33.695

Monochromacy



Original Color
39, 66.383, 33.908

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 24.379, 25.136

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 66.383, 33.908 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(177, 36, 35)` looks like.

```
.text, #text, p{  
    color:rgb(177, 36, 35)  
}
```

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(177, 36, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 36, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 66.383, 33.908 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(177, 36, 35) }
```

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

```
.border{ border-color:rgb(177, 36, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 36, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 36, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 36, 35);  
box-shadow:4px 4px 4px 4px rgb(177, 36,  
35) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 66.383, 33.908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 36, 35) }
```

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

```
.background{ background-color: rgb(177, 36,  
35) }
```

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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