

Converting Colors

CIELCh(39, 77.944, 38.155)

Have a look what the booklet for
CIELCh(39, 77.944, 38.155) contains.

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Color

CIELCh(39, 78.112, 38.215)

Conversions

Conversions Part 1

Format	Color
Hex	B90F0D
RGB	185, 15, 13
RGB Percent	73%, 6%, 5%
CMY	0.2751, 0.9422, 0.9495
CMYK	0.00, 0.92, 0.93, 0.28
HSL	1°, 87%, 39%
HSV	1°, 93%, 72%
XYZ	20.2118, 10.6589, 1.3690
YIQ	65.6020, 101.9620, 35.4180

Conversions

Conversions Part 2

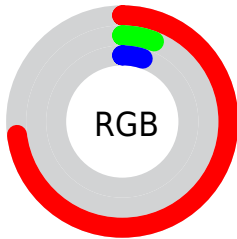
Format	Color
RYB	185, 15, 13
Decimal	12128013
CIELab	39.00, 61.37, 48.32
CIElCh	39, 78.112, 38.215
Yxy	10.6589, 0.6269, 0.3306
Android (android.graphics.Color)	4290318093 (0xFFB90F0D)
YUV	65.6020, -25.9328, 104.7120
Hunter-Lab	32.6480, 53.3719, 20.3674

Details

The CIELCh color **39, 78.112, 38.215** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **68, 38.368, 198.001**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **59, 78.373, 38.267**, and **24, 58.879, 37.958** is the 20% darker color. If you saturate the color by 10%, you get **38, 81.970, 40.112**, and if you desaturate by 10%, it is **40, 71.002, 35.073**.

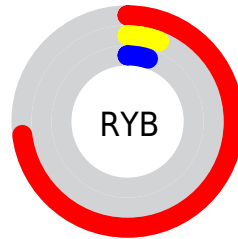
Distribution



Red (73%)

Green (6%)

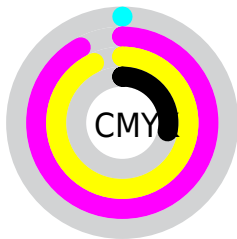
Blue (5%)



Red (73%)

Yellow (6%)

Blue (5%)

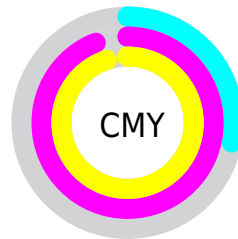


Cyan (0%)

Magenta (92%)

Yellow (93%)

Black (28%)



Cyan (28%)

Magenta (94%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 78.112, 38.215 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, 78.112, 38.215 by changing the saturation by 10% instead.

■ 39, 78.112, 38.215

■ 39, 78.112, 38.215

■ 100, 78.112,
38.215

■ 29, 78.112, 38.215

■ 59, 78.112, 38.215

■ 19, 78.112, 38.215

■ 69, 78.112, 38.215

■ 9, 78.112, 38.215

■ 79, 78.112, 38.215

■ 0, 78.112, 38.215

■ 89, 78.112, 38.215

■ 99, 78.112, 38.215

■ 39, 78.112, 38.215

■ 39, 78.112, 38.215

■ 38, 81.970, 40.112

■ 40, 71.002, 35.073

43, 62.316, 31.696

46, 53.016, 28.726

49, 43.579, 26.327

54, 34.315, 24.461

58, 25.440, 23.029

63, 17.082, 21.930

68, 9.294, 21.072

73, 2.078, 20.235

Harmonies

Complementary

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



39, 78.112, 38.215



68, 38.368, 198.001

Rectangle

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



39, 78.112, 38.215



39, 78.112, 88.215



39, 78.112, 218.215



39, 78.112, 268.215

Sweetspot

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



39, 78.109, 38.217



77, 26.188, 22.491



44, 89.379, 328.181



38, 18.359, 22.994



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



39, 78.109, 38.217



50, 99.656, 40.082



51, 63.719, 62.307



36, 3.961, 20.791



32, 71.721, 39.755



2, 10.553, 20.068

Inverse Universe

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



68, 38.368, 198.001



85, 47.079, 198.101



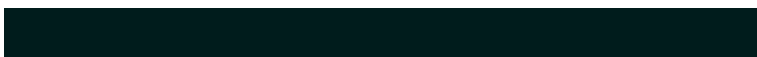
42, 52.733, 281.012



38, 3.736, 199.929



58, 34.121, 198.050



8, 10.337, 199.173

Previews

White Background



This preview shows how the CIE LCh color 39, 78.112, 38.215 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, 78.112, 38.215 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, 78.112, 38.215

Background



This preview shows how black text looks on a background with the CIELCh color 39, 78.112, 38.215.



This preview shows how white text looks on a background with the CIELCh color 39, 78.112, 38.215.

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, 78.112, 38.215

Protanopia

40, 37.453, 95.883

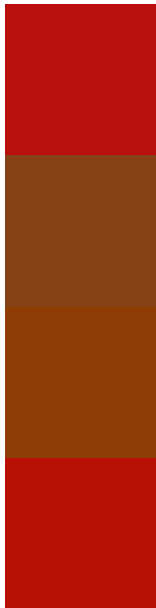
Deuteranopia

40, 47.653, 84.655



Tritanopia
39, 80.905, 40.971

Trichromacy



Original Color
39, 78.112, 38.215

Protanomaly
36, 45.930, 54.546

Deuteranomaly
36, 55.018, 55.436

Tritanomaly
39, 79.717, 39.917

Monochromacy



Original Color
39, 78.112, 38.215

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 30.883, 27.074

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 78.112, 38.215 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(185, 15, 13)` looks like.

```
.text, #text, p{  
    color:rgb(185, 15, 13)  
}
```

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(185, 15, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 15, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 78.112, 38.215 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(185, 15, 13) }
```

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

```
.border{ border-color:rgb(185, 15, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 15, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 15, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 15, 13);  
box-shadow:4px 4px 4px 4px rgb(185, 15,  
13) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 78.112, 38.215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 15, 13) }
```

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

```
.background{ background-color: rgb(185, 15,  
13) }
```

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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