

Converting Colors

CIELCh(38, 79.890, 39.030)

Have a look what the booklet for
CIELCh(38, 79.890, 39.030) contains.

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Color

CIELCh(38, 80.053, 39.063)

Conversions

Conversions Part 1

Format	Color
Hex	B70205
RGB	183, 2, 5
RGB Percent	72%, 1%, 2%
CMY	0.2836, 0.9910, 0.9813
CMYK	0.00, 0.99, 0.97, 0.28
HSL	359°, 98%, 36%
HSV	359°, 99%, 72%
XYZ	19.5040, 10.0881, 1.0564
YIQ	56.4610, 106.9130, 39.3050

Conversions

Conversions Part 2

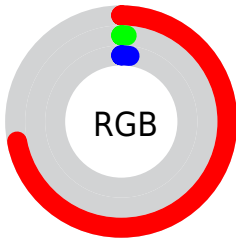
Format	Color
RYB	183, 2, 5
Decimal	11993605
CIELab	38.00, 62.16, 50.45
CIElCh	38, 80.053, 39.063
Yxy	10.0881, 0.6364, 0.3292
Android (android.graphics.Color)	4290183685 (0xFFB70205)
YUV	56.4610, -25.3703, 110.9747
Hunter-Lab	31.7617, 54.0291, 20.2613

Details

The CIELCh color **38, 80.053, 39.063** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **67, 39.330, 194.324**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **58, 80.132, 39.043**, and **24, 58.063, 37.802** is the 20% darker color. If you saturate the color by 10%, you get **38, 80.765, 39.426**, and if you desaturate by 10%, it is **39, 74.263, 36.073**.

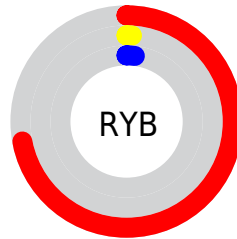
Distribution



Red (72%)

Green (1%)

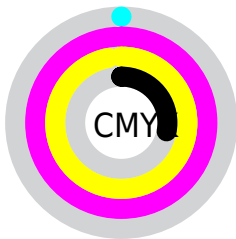
Blue (2%)



Red (72%)

Yellow (1%)

Blue (2%)

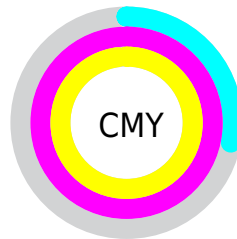


Cyan (0%)

Magenta (99%)

Yellow (97%)

Black (28%)



Cyan (28%)

Magenta (99%)

Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 80.053, 39.063 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 38, 80.053, 39.063 by changing the saturation by 10% instead.

 38, 80.053, 39.063

 38, 80.053, 39.063

 100, 80.053,
39.063

 28, 80.053, 39.063

 58, 80.053, 39.063

 18, 80.053, 39.063

 68, 80.053, 39.063

 8, 80.053, 39.063

 78, 80.053, 39.063

 0, 80.053, 39.063

 88, 80.053, 39.063

 98, 80.053, 39.063

 38, 80.053, 39.063

 38, 80.053, 39.063

 38, 80.765, 39.426

 39, 74.263, 36.073

41, 66.507, 32.399

43, 57.753, 28.949

47, 48.583, 26.072

50, 39.358, 23.796

55, 30.353, 22.034

60, 21.755, 20.673

65, 13.671, 19.613

70, 6.139, 18.751

Harmonies

Complementary

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



38, 80.053, 39.063



67, 39.330, 194.324

Rectangle

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



38, 80.053, 39.063



38, 80.053, 89.063



38, 80.053, 219.063



38, 80.053, 269.063

Sweetspot

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



38, 80.050, 39.065



75, 28.245, 20.887



43, 89.774, 327.572



37, 19.714, 21.441



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



38, 80.050, 39.065



50, 98.420, 39.583



49, 66.174, 59.536



36, 4.003, 18.800



32, 71.345, 39.048



2, 10.641, 18.566

Inverse Universe

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



38, 80.050, 39.065



50, 98.420, 39.583



41, 53.636, 281.806



36, 4.003, 18.800



32, 71.345, 39.048



2, 10.641, 18.566

Previews

White Background



This preview shows how the CIELCh color 38, 80.053, 39.063 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 38, 80.053, 39.063 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 38, 80.053, 39.063

Background



This preview shows how black text looks on a background with the CIELCh color 38, 80.053, 39.063.



This preview shows how white text looks on a background with the CIELCh color 38, 80.053, 39.063.

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

38, 80.129, 39.002

Protanopia

39, 38.742, 95.813

Tritanopia

38, 79.438, 41.103

Trichromacy



Original Color
38, 80.129, 39.002

Protanomaly
34, 48.134, 53.123

Tritanomaly
38, 79.745, 40.264

Monochromacy



Original Color
38, 80.129, 39.002

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 33.256, 26.497

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 80.053, 39.063 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(183, 2, 5)` looks like.

```
.text, #text, p{  
    color:rgb(183, 2, 5)  
}
```

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(183, 2, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 2, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 80.053, 39.063 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(183, 2, 5) }
```

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

```
.border{ border-color:rgb(183, 2, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 2, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 2, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(183, 2, 5); box-shadow:4px  
4px 4px 4px rgb(183, 2, 5) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 80.053, 39.063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 2, 5) }
```

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

```
.background{ background-color: rgb(183, 2,  
5) }
```

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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