

Converting Colors

CIELCh(40, 78.356, 38.589)

Have a look what the booklet for
CIELCh(40, 78.356, 38.589) contains.

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Color

CIELCh(40, 78.356, 38.589)

Conversions

Conversions Part 1

Format	Color
Hex	BC150E
RGB	188, 21, 14
RGB Percent	74%, 8%, 5%
CMY	0.2629, 0.9178, 0.9452
CMYK	0.00, 0.89, 0.93, 0.26
HSL	2°, 86%, 40%
HSV	2°, 93%, 74%
XYZ	21.0739, 11.2510, 1.4752
YIQ	70.1350, 101.7790, 33.2270

Conversions

Conversions Part 2

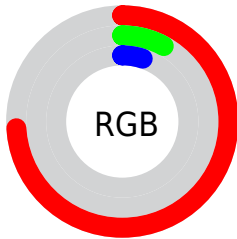
Format	Color
RYB	188, 21, 14
Decimal	12326158
CIELab	40.00, 61.25, 48.87
CIElCh	40, 78.356, 38.589
Yxy	11.2510, 0.6235, 0.3329
Android (android.graphics.Color)	4290516238 (0xFFBC150E)
YUV	70.1350, -27.6746, 103.3676
Hunter-Lab	33.5425, 53.4478, 20.8722

Details

The CIELCh color **40, 78.356, 38.589** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **67, 37.409, 202.545**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 78.638, 38.718**, and **25, 60.096, 38.177** is the 20% darker color. If you saturate the color by 10%, you get **39, 82.590, 40.413**, and if you desaturate by 10%, it is **42, 70.807, 35.809**.

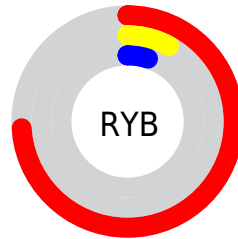
Distribution



Red (74%)

Green (8%)

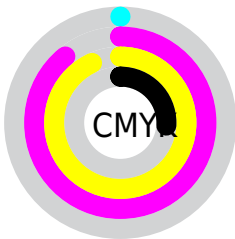
Blue (5%)



Red (74%)

Yellow (8%)

Blue (5%)

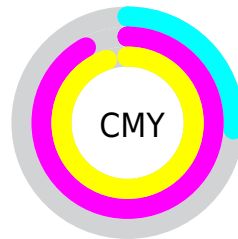


Cyan (0%)

Magenta (89%)

Yellow (93%)

Black (26%)



Cyan (26%)

Magenta (92%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 78.356, 38.589 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 40, 78.356, 38.589 by changing the saturation by 10% instead.

■ 40, 78.356, 38.589

■ 40, 78.356, 38.589

■ 100, 78.356,
38.589

■ 30, 78.356, 38.589

■ 60, 78.356, 38.589

■ 20, 78.356, 38.589

■ 70, 78.356, 38.589

■ 10, 78.356, 38.589

■ 80, 78.356, 38.589

■ 0, 78.356, 38.589

■ 90, 78.356, 38.589

■ 40, 78.356, 38.589

■ 40, 78.356, 38.589

■ 39, 82.590, 40.413

■ 42, 70.807, 35.809

■ 44, 61.796, 32.818

■ 47, 52.295, 30.189

■ 51, 42.774, 28.067

■ 55, 33.524, 26.420

■ 60, 24.726, 25.166

■ 65, 16.479, 24.213

■ 70, 8.818, 23.478

■ 75, 1.732, 22.701

Harmonies

Complementary

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



40, 78.356, 38.589



67, 37.409, 202.545

Rectangle

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



40, 78.356, 38.589



40, 78.356, 88.589



40, 78.356, 218.589



40, 78.356, 268.589

Sweetspot

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



40, 78.353, 38.591



79, 25.933, 24.742



45, 88.198, 329.462



39, 18.196, 25.189



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



40, 78.353, 38.591



51, 100.903, 40.297



53, 63.801, 65.276



37, 3.938, 23.269



33, 72.254, 40.228



3, 11.915, 21.786

Inverse Universe

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



67, 37.409, 202.545



85, 45.972, 203.069



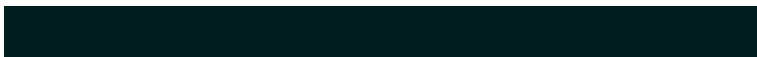
41, 56.655, 284.088



39, 3.711, 202.597



57, 33.221, 202.865



9, 11.045, 201.920

Previews

White Background



This preview shows how the CIELCh color 40, 78.356, 38.589 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 40, 78.356, 38.589 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 40, 78.356, 38.589

Background



This preview shows how black text looks on a background with the CIELCh color 40, 78.356, 38.589.



This preview shows how white text looks on a background with the CIELCh color 40, 78.356, 38.589.

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

40, 78.356, 38.589

Protanopia

41, 37.898, 96.031

Deuteranopia

40, 48.472, 84.409



Tritanopia
40, 78.128, 38.364

Trichromacy



Original Color
40, 78.356, 38.589

Protanomaly
37, 45.831, 56.480

Deuteranomaly
38, 55.464, 56.835

Tritanomaly
40, 78.128, 38.364

Monochromacy



Original Color
40, 78.356, 38.589

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 30.179, 27.676

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 78.356, 38.589 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(188, 21, 14)` looks like.

```
.text, #text, p{  
    color:rgb(188, 21, 14)  
}
```

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(188, 21, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 21, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 78.356, 38.589 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(188, 21, 14) }
```

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

```
.border{ border-color:rgb(188, 21, 14) }
```

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

Here you see how a box with a 4 pixel rgb(188, 21, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 21, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 21, 14);  
box-shadow:4px 4px 4px 4px rgb(188, 21,  
14) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 78.356, 38.589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 21, 14) }
```

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

```
.background{ background-color: rgb(188, 21,  
14) }
```

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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