

Converting Colors

CIELCh(40, 80.278, 39.504)

Have a look what the booklet for
CIELCh(40, 80.278, 39.504) contains.

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Color

CIELCh(40, 80.278, 39.504)

Conversions

Conversions Part 1

Format	Color
Hex	BD1208
RGB	189, 18, 8
RGB Percent	74%, 7%, 3%
CMY	0.2592, 0.9300, 0.9689
CMYK	0.00, 0.91, 0.96, 0.26
HSL	3°, 92%, 39%
HSV	3°, 96%, 74%
XYZ	21.2194, 11.2510, 1.2807
YIQ	67.9890, 105.1260, 33.1420

Conversions

Conversions Part 2

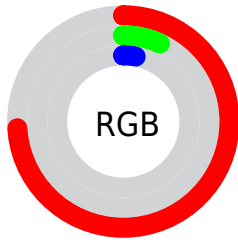
Format	Color
RYB	189, 19, 8
Decimal	12390920
CIELab	40.00, 61.94, 51.07
CIElCh	40, 80.278, 39.504
Yxy	11.2510, 0.6287, 0.3334
Android (android.graphics.Color)	4290581000 (0xFFBD1208)
YUV	67.9890, -29.5746, 106.1266
Hunter-Lab	33.5425, 54.2219, 21.2159

Details

The CIELCh color **40, 80.278, 39.504** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **66, 37.051, 205.237**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 80.389, 39.602**, and **25, 60.096, 38.177** is the 20% darker color. If you saturate the color by 10%, you get **40, 82.703, 40.562**, and if you desaturate by 10%, it is **41, 73.399, 37.196**.

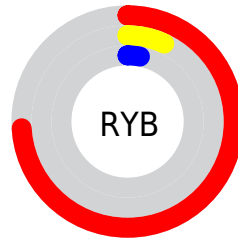
Distribution



Red (74%)

Green (7%)

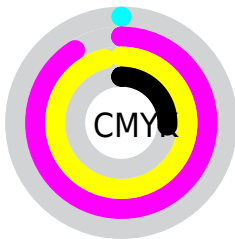
Blue (3%)



Red (74%)

Yellow (7%)

Blue (3%)

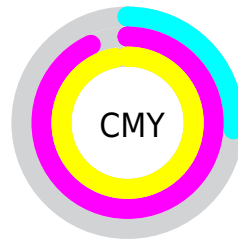


Cyan (0%)

Magenta (91%)

Yellow (96%)

Black (26%)



Cyan (26%)

Magenta (93%)

Yellow (97%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 80.278, 39.504 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, 80.278, 39.504 by changing the saturation by 10% instead.

 40, 80.278, 39.504

 40, 80.278, 39.504

 100, 80.278,
39.504

 30, 80.278, 39.504

 60, 80.278, 39.504

 20, 80.278, 39.504

 70, 80.278, 39.504

 10, 80.278, 39.504

 80, 80.278, 39.504

 0, 80.278, 39.504

 90, 80.278, 39.504

 40, 80.278, 39.504

 40, 80.278, 39.504

 40, 82.703, 40.562

 41, 73.399, 37.196

 44, 64.598, 34.377

■ 47, 55.116, 31.771

■ 50, 45.539, 29.621

■ 54, 36.194, 27.939

■ 59, 27.281, 26.657

■ 64, 18.910, 25.691

■ 69, 11.126, 24.960

■ 74, 3.926, 24.346

Harmonies

Complementary

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



40, 80.278, 39.504



66, 37.051, 205.237

Rectangle

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



40, 80.278, 39.504



40, 80.278, 89.504



40, 80.278, 219.504



40, 80.278, 269.504

Sweetspot

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



40, 80.275, 39.506



79, 26.612, 26.013



45, 88.005, 330.223



39, 18.559, 26.434



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, 80.275, 39.506



51, 100.708, 40.416



53, 65.128, 65.866



37, 3.883, 24.567



33, 72.056, 40.435



3, 11.796, 22.695

Inverse Universe

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



66, 37.051, 205.237



84, 45.154, 205.735



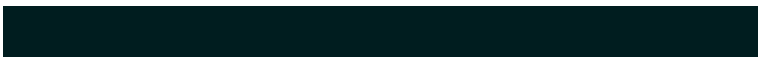
39, 60.841, 286.975



39, 3.658, 203.999



56, 32.641, 205.443



9, 10.831, 204.000

Previews

White Background



This preview shows how the CIELCh color 40, 80.278, 39.504 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, 80.278, 39.504 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, 80.278, 39.504

Background



This preview shows how black text looks on a background with the CIELCh color 40, 80.278, 39.504.



This preview shows how white text looks on a background with the CIELCh color 40, 80.278, 39.504.

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, 80.278, 39.504

Protanopia

41, 39.722, 95.386

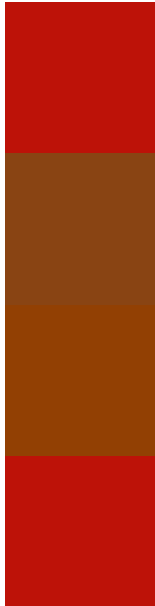
Deuteranopia

40, 48.472, 84.409



Tritanopia
40, 80.278, 39.504

Trichromacy



Original Color
40, 80.278, 39.504

Protanomaly
37, 48.112, 57.097

Deuteranomaly
37, 56.749, 55.938

Tritanomaly
40, 80.278, 39.504

Monochromacy



Original Color
40, 80.278, 39.504

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 31.273, 30.070

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 80.278, 39.504 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(189, 18, 8)` looks like.

```
.text, #text, p{  
    color:rgb(189, 18, 8)  
}
```

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(189, 18, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 18, 8) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 80.278, 39.504 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(189, 18, 8) }
```

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

```
.border{ border-color:rgb(189, 18, 8) }
```

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

Here you see how a box with a 4 pixel rgb(189, 18, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 18, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 18, 8);  
box-shadow:4px 4px 4px 4px rgb(189, 18, 8)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 80.278, 39.504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 18, 8) }
```

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

```
.background{ background-color: rgb(189, 18,  
8) }
```

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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