

Converting Colors

CIELCh(40, 71.746, 36.123)

Have a look what the booklet for
CIELCh(40, 71.746, 36.123) contains.

CIELCh(40, 71.778, 36.040)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(40, 71.778, 36.040)

Conversions

Conversions Part 1

Format	Color
Hex	B8201C
RGB	184, 32, 28
RGB Percent	72%, 13%, 11%
CMY	0.2796, 0.8759, 0.8910
CMYK	0.00, 0.83, 0.85, 0.28
HSL	1°, 74%, 41%
HSV	1°, 85%, 72%
XYZ	20.4112, 11.2510, 2.1816
YIQ	76.9920, 91.8760, 30.9800

Conversions

Conversions Part 2

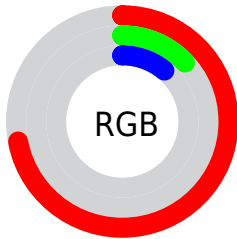
Format	Color
RYB	184, 32, 28
Decimal	12066844
CIELab	40.00, 58.04, 42.23
CIELCh	40, 71.778, 36.040
Yxy	11.2510, 0.6031, 0.3324
Android (android.graphics.Color)	4290256924 (0xFFB8201C)
YUV	76.9920, -24.1531, 93.8460
Hunter-Lab	33.5425, 49.9211, 19.6235

Details

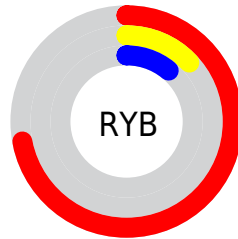
The CIELCh color **40, 71.778, 36.040** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **67, 36.793, 199.921**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 71.873, 35.938**, and **24, 58.879, 37.958** is the 20% darker color. If you saturate the color by 10%, you get **39, 78.521, 38.840**, and if you desaturate by 10%, it is **42, 63.227, 32.827**.

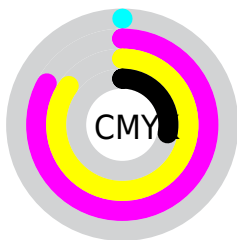
Distribution



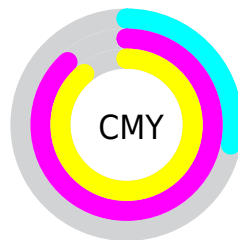
- Red (72%)
- Green (13%)
- Blue (11%)



- Red (72%)
- Yellow (13%)
- Blue (11%)



- Cyan (0%)
- Magenta (83%)
- Yellow (85%)
- Black (28%)



- Cyan (28%)
- Magenta (88%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 71.778, 36.040 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, 71.778, 36.040 by changing the saturation by 10% instead.

■ 40, 71.778, 36.040

■ 40, 71.778, 36.040

■ 100, 71.778,
36.040

■ 30, 71.778, 36.040

■ 60, 71.778, 36.040

■ 20, 71.778, 36.040

■ 70, 71.778, 36.040

■ 10, 71.778, 36.040

■ 80, 71.778, 36.040

■ 0, 71.778, 36.040

■ 90, 71.778, 36.040

■ 40, 71.778, 36.040

■ 40, 71.778, 36.040

■ 39, 78.521, 38.840

■ 42, 63.227, 32.827

■ 38, 81.393, 40.260

■ 45, 53.997, 29.925

■ 49, 44.614, 27.551

■ 53, 35.397, 25.697

■ 57, 26.564, 24.274

■ 62, 18.242, 23.188

■ 67, 10.486, 22.349

■ 72, 3.301, 21.618

■ 77, 3.342, 201.455

Harmonies

Complementary

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



40, 71.778, 36.040



67, 36.793, 199.921

Rectangle

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



40, 71.778, 36.040



40, 71.778, 86.040



40, 71.778, 216.040



40, 71.778, 266.040

Sweetspot

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



40, 71.775, 36.042



79, 22.811, 23.241



45, 85.386, 328.675



40, 15.764, 23.592



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



40, 71.775, 36.042



50, 99.484, 40.188



53, 58.768, 65.592



36, 3.907, 21.953



32, 71.530, 39.957



2, 10.445, 20.942

Inverse Universe

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



67, 36.793, 199.921



84, 46.171, 200.408



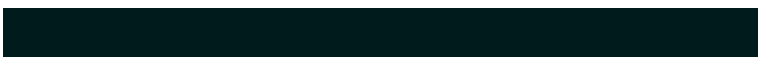
43, 49.410, 279.078



38, 3.683, 201.181



57, 33.481, 200.286



8, 10.109, 201.115

Previews

White Background



This preview shows how the CIELCh color 40, 71.778, 36.040 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, 71.778, 36.040 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, 71.778, 36.040

Background



This preview shows how black text looks on a background with the CIELCh color 40, 71.778, 36.040.



This preview shows how white text looks on a background with the CIELCh color 40, 71.778, 36.040.

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, 71.778, 36.040

Protanopia

41, 31.435, 96.375

Deuteranopia

40, 48.472, 84.409



Tritanopia
40, 71.376, 35.180

Trichromacy



Original Color
40, 71.778, 36.040

Protanomaly
38, 39.468, 54.765

Deuteranomaly
38, 53.326, 57.838

Tritanomaly
40, 71.655, 35.530

Monochromacy



Original Color
40, 71.778, 36.040

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 26.595, 26.772

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 71.778, 36.040 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(184, 32, 28)` looks like.

```
.text, #text, p{  
    color:rgb(184, 32, 28)  
}
```

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(184, 32, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 32, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 71.778, 36.040 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(184, 32, 28) }
```

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

```
.border{ border-color:rgb(184, 32, 28) }
```

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

Here you see how a box with a 4 pixel rgb(184, 32, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 32, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 32, 28);  
box-shadow:4px 4px 4px 4px rgb(184, 32,  
28) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 71.778, 36.040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 32, 28) }
```

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

```
.background{ background-color: rgb(184, 32,  
28) }
```

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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