

Converting Colors

CIELCh(38, 86.842, 33.286)

Have a look what the booklet for
CIELCh(38, 86.842, 33.286) contains.

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Color

CIELCh(40, 81.691, 36.837)

Conversions

Conversions Part 1

Format	Color
Hex	C1000F
RGB	193, 0, 15
RGB Percent	76%, 0%, 6%
CMY	0.2446, 1.0000, 0.9413
CMYK	0.00, 1.00, 0.92, 0.24
HSL	355°, 100%, 38%
HSV	355°, 100%, 76%
XYZ	21.9495, 11.2510, 1.4655
YIQ	59.4170, 110.2130, 45.5810

Conversions

Conversions Part 2

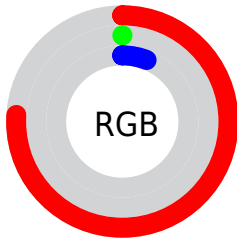
Format	Color
RYB	193, 0, 15
Decimal	12648463
CIELab	40.00, 65.38, 48.98
CIElCh	40, 81.691, 36.837
Yxy	11.2510, 0.6332, 0.3246
Android (android.graphics.Color)	4290838543 (0xFFC1000F)
YUV	59.4170, -21.8976, 117.1523
Hunter-Lab	33.5425, 58.1077, 20.8892

Details

The CIELCh color **40, 81.691, 36.837** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **70, 43.516, 185.160**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 80.219, 37.103**, and **26, 61.701, 38.443** is the 20% darker color. If you saturate the color by 10%, you get **40, 81.455, 37.029**, and if you desaturate by 10%, it is **41, 75.403, 33.144**.

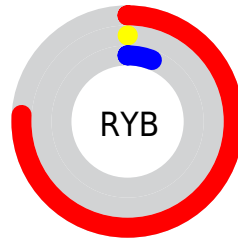
Distribution



Red (76%)

Green (0%)

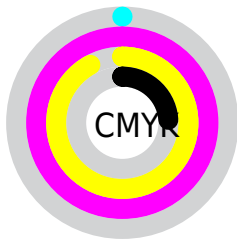
Blue (6%)



Red (76%)

Yellow (0%)

Blue (6%)

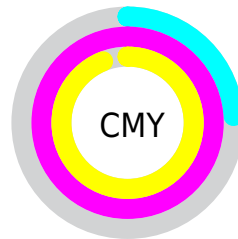


Cyan (0%)

Magenta (100%)

Yellow (92%)

Black (24%)



Cyan (24%)

Magenta (100%)

Yellow (94%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 81.691, 36.837 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, 81.691, 36.837 by changing the saturation by 10% instead.

 40, 81.691, 36.837

 40, 81.691, 36.837

 100, 81.691,
36.837

 30, 81.691, 36.837

 60, 81.691, 36.837

 20, 81.691, 36.837

 70, 81.691, 36.837

 10, 81.691, 36.837

 80, 81.691, 36.837

 0, 81.691, 36.837

 90, 81.691, 36.837

 40, 81.691, 36.837

 40, 81.691, 36.837

 40, 81.455, 37.029

 41, 75.403, 33.144

 43, 67.970, 28.850

■ 45, 59.635, 25.027

■ 49, 50.741, 21.889

■ 53, 41.600, 19.406

■ 57, 32.506, 17.461

■ 62, 23.689, 15.931

■ 67, 15.294, 14.709

■ 73, 7.393, 13.699

Harmonies

Complementary

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



40, 81.691, 36.837



70, 43.516, 185.160

Rectangle

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



40, 81.691, 36.837



40, 81.691, 86.837



40, 81.691, 216.837



40, 81.691, 266.837

Sweetspot

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



40, 81.455, 37.029



79, 29.306, 15.995



43, 94.075, 324.979



39, 20.245, 16.609



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



40, 81.455, 37.029



52, 99.807, 37.634



48, 71.898, 54.148



38, 4.203, 13.639



33, 70.717, 36.467



3, 14.052, 15.166

Inverse Universe

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



40, 81.455, 37.029



52, 99.807, 37.634



46, 49.476, 274.744



38, 4.203, 13.639



33, 70.717, 36.467



3, 14.052, 15.166

Previews

White Background



This preview shows how the CIE LCh color 40, 81.691, 36.837 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, 81.691, 36.837 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, 81.691, 36.837

Background



This preview shows how black text looks on a background with the CIELCh color 40, 81.691, 36.837.



This preview shows how white text looks on a background with the CIELCh color 40, 81.691, 36.837.

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, 81.574, 37.034

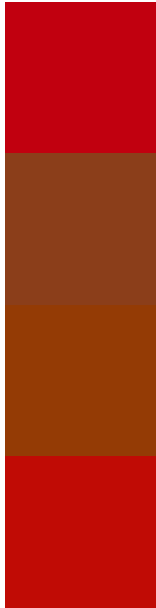
Protanopia
41, 37.525, 95.317

Deuteranopia
41, 48.973, 84.014



Tritanopia
40, 82.741, 41.056

Trichromacy



Original Color
40, 81.574, 37.034

Protanomaly
36, 47.505, 50.042

Deuteranomaly
37, 57.991, 52.629

Tritanomaly
40, 82.554, 39.590

Monochromacy



Original Color
40, 81.574, 37.034

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 34.278, 22.786

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 81.691, 36.837 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(193, 0, 15)` looks like.

```
.text, #text, p{  
    color:rgb(193, 0, 15)  
}
```

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(193, 0, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 0, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 81.691, 36.837 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(193, 0, 15) }
```

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

```
.border{ border-color:rgb(193, 0, 15) }
```

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

Here you see how a box with a 4 pixel rgb(193, 0, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 0, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 0, 15);  
box-shadow:4px 4px 4px 4px rgb(193, 0, 15)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 81.691, 36.837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 0, 15) }
```

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

```
.background{ background-color: rgb(193, 0,  
15) }
```

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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