

Converting Colors

CIELCh(40, 77.679, 37.214)

Have a look what the booklet for
CIELCh(40, 77.679, 37.214) contains.

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Color

CIELCh(40, 77.743, 37.201)

Conversions

Conversions Part 1

Format	Color
Hex	BD1213
RGB	189, 18, 19
RGB Percent	74%, 7%, 7%
CMY	0.2605, 0.9283, 0.9267
CMYK	0.00, 0.90, 0.90, 0.26
HSL	360°, 82%, 41%
HSV	360°, 90%, 74%
XYZ	21.2158, 11.2510, 1.6555
YIQ	69.2430, 101.5950, 36.5630

Conversions

Conversions Part 2

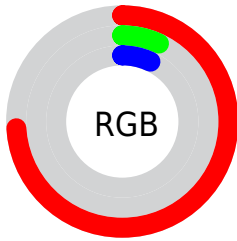
Format	Color
RYB	189, 18, 19
Decimal	12390931
CIELab	40.00, 61.92, 47.00
CIElCh	40, 77.743, 37.201
Yxy	11.2510, 0.6218, 0.3297
Android (android.graphics.Color)	4290581011 (0xFFBD1213)
YUV	69.2430, -24.7698, 105.0269
Hunter-Lab	33.5425, 54.2028, 20.5534

Details

The CIELCh color **40, 77.743, 37.201** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **69, 39.367, 196.092**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 78.125, 37.204**, and **25, 60.499, 38.246** is the 20% darker color. If you saturate the color by 10%, you get **39, 83.236, 39.902**, and if you desaturate by 10%, it is **42, 70.052, 33.714**.

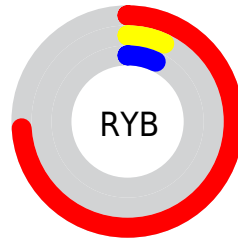
Distribution



Red (74%)

Green (7%)

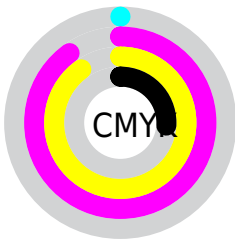
Blue (7%)



Red (74%)

Yellow (7%)

Blue (7%)

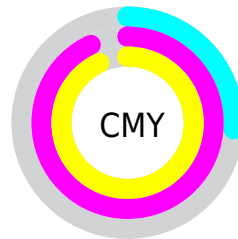


Cyan (0%)

Magenta (90%)

Yellow (90%)

Black (26%)



Cyan (26%)

Magenta (93%)

Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 77.743, 37.201 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, 77.743, 37.201 by changing the saturation by 10% instead.

 40, 77.743, 37.201

 40, 77.743, 37.201

 100, 77.743,
37.201

 30, 77.743, 37.201

 60, 77.743, 37.201

 20, 77.743, 37.201

 70, 77.743, 37.201

 10, 77.743, 37.201

 80, 77.743, 37.201

 0, 77.743, 37.201

 90, 77.743, 37.201

 40, 77.743, 37.201

 40, 77.743, 37.201

 39, 83.236, 39.902

 42, 70.052, 33.714

 44, 61.084, 30.249

■ 47, 51.604, 27.299

■ 51, 42.033, 24.950

■ 56, 32.669, 23.132

■ 61, 23.721, 21.735

■ 66, 15.308, 20.657

■ 71, 7.475, 19.798

■ 76, 0.218, 16.800

Harmonies

Complementary

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



40, 77.743, 37.201



69, 39.367, 196.092

Rectangle

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



40, 77.743, 37.201



40, 77.743, 87.201



40, 77.743, 217.201



40, 77.743, 267.201

Sweetspot

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



40, 77.740, 37.203



79, 25.844, 21.397



45, 90.073, 327.546



40, 17.628, 21.801



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, 77.740, 37.203



51, 101.291, 39.929



52, 63.649, 61.523



37, 4.096, 19.722



32, 72.708, 39.568



3, 12.252, 19.265

Inverse Universe

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



40, 77.740, 37.203



51, 101.291, 39.929



44, 50.443, 278.070



37, 4.096, 19.722



32, 72.708, 39.568



3, 12.252, 19.265

Previews

White Background



This preview shows how the CIELCh color 40, 77.743, 37.201 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, 77.743, 37.201 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, 77.743, 37.201

Background



This preview shows how black text looks on a background with the CIELCh color 40, 77.743, 37.201.



This preview shows how white text looks on a background with the CIELCh color 40, 77.743, 37.201.

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, 77.844, 37.107

Protanopia

41, 35.562, 95.891

Deuteranopia

40, 48.472, 84.409



Tritanopia
40, 79.367, 38.832

Trichromacy



Original Color
40, 77.844, 37.107

Protanomaly
37, 44.535, 53.474

Deuteranomaly
38, 55.519, 55.648

Tritanomaly
40, 78.932, 38.409

Monochromacy



Original Color
40, 77.844, 37.107

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 29.880, 25.479

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 77.743, 37.201 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, 19)` looks like.

```
.text, #text, p{  
    color:rgb(189, 18, 19)  
}
```

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, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 18, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 77.743, 37.201 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, 19) }
```

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

```
.border{ border-color:rgb(189, 18, 19) }
```

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, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 18, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 18, 19);  
box-shadow:4px 4px 4px 4px rgb(189, 18,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 77.743, 37.201 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, 19) }
```

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

```
.background{ background-color: rgb(189, 18,  
19) }
```

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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