

Converting Colors

CIELCh(40, 77.145, 33.651)

Have a look what the booklet for
CIELCh(40, 77.145, 33.651) contains.

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Color

CIELCh(40, 77.223, 33.601)

Conversions

Conversions Part 1

Format	Color
Hex	BF051C
RGB	191, 5, 28
RGB Percent	75%, 2%, 11%
CMY	0.2514, 0.9812, 0.8904
CMYK	0.00, 0.97, 0.85, 0.25
HSL	353°, 95%, 38%
HSV	353°, 97%, 75%
XYZ	21.7226, 11.2510, 2.1213
YIQ	63.2360, 103.4730, 46.5850

Conversions

Conversions Part 2

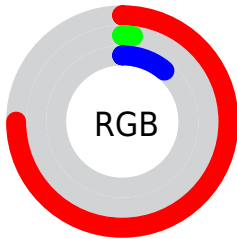
Format	Color
R_{YB}	191, 5, 28
Decimal	12518684
CIE _{Lab}	40.00, 64.32, 42.74
CIE _{LCh}	40, 77.223, 33.601
Yxy	11.2510, 0.6190, 0.3206
Android (android.graphics.Color)	4290708764 (0xFFBF051C)
YUV	63.2360, -17.3713, 112.0490
Hunter-Lab	33.5425, 56.8998, 19.7301

Details

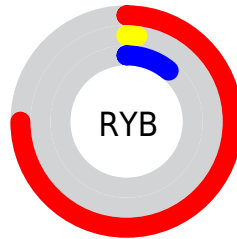
The CIELCh color **40, 77.223, 33.601** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **70, 45.228, 179.544**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 77.038, 33.776**, and **26, 61.301, 38.379** is the 20% darker color. If you saturate the color by 10%, you get **40, 78.672, 34.632**, and if you desaturate by 10%, it is **41, 71.088, 28.895**.

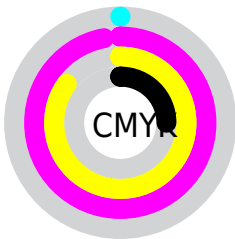
Distribution



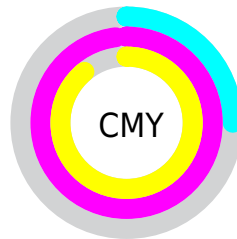
- Red (75%)
- Green (2%)
- Blue (11%)



- Red (75%)
- Yellow (2%)
- Blue (11%)



- Cyan (0%)
- Magenta (97%)
- Yellow (85%)
- Black (25%)



- Cyan (25%)
- Magenta (98%)
- Yellow (89%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 77.223, 33.601 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, 77.223, 33.601 by changing the saturation by 10% instead.

 40, 77.223, 33.601

 40, 77.223, 33.601

 100, 77.223,
33.601

 30, 77.223, 33.601

 60, 77.223, 33.601

 20, 77.223, 33.601

 70, 77.223, 33.601

 10, 77.223, 33.601

 80, 77.223, 33.601

 0, 77.223, 33.601

 90, 77.223, 33.601

 40, 77.223, 33.601

 40, 77.223, 33.601

 40, 78.672, 34.632

 41, 71.088, 28.895

 43, 63.979, 24.458

■ 46, 56.057, 20.719

■ 49, 47.550, 17.718

■ 53, 38.758, 15.350

■ 58, 29.972, 13.481

■ 63, 21.417, 11.988

■ 68, 13.234, 10.770

■ 73, 5.495, 9.726

Harmonies

Complementary

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



40, 77.223, 33.601



70, 45.228, 179.544

Rectangle

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



40, 77.223, 33.601



40, 77.223, 83.601



40, 77.223, 213.601



40, 77.223, 263.601

Sweetspot

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



40, 77.220, 33.603



79, 28.037, 12.257



41, 93.321, 323.173



40, 19.616, 12.889



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, 77.220, 33.603



52, 96.412, 35.404



47, 71.791, 51.273



37, 4.144, 9.916



33, 67.886, 33.907



3, 12.368, 12.279

Inverse Universe

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



40, 77.220, 33.603



52, 96.412, 35.404



49, 43.577, 266.394



37, 4.144, 9.916



33, 67.886, 33.907



3, 12.368, 12.279

Previews

White Background



This preview shows how the CIELCh color 40, 77.223, 33.601 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, 77.223, 33.601 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, 77.223, 33.601

Background



This preview shows how black text looks on a background with the CIELCh color 40, 77.223, 33.601.



This preview shows how white text looks on a background with the CIELCh color 40, 77.223, 33.601.

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, 77.223, 33.601

Protanopia

41, 30.344, 96.309

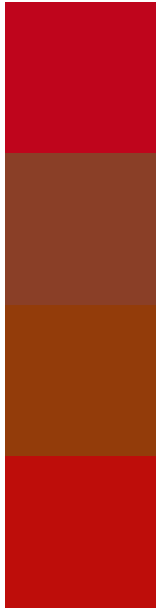
Deuteranopia

41, 48.788, 84.568



Tritanopia
40, 82.503, 40.990

Trichromacy



Original Color
40, 77.223, 33.601

Protanomaly
36, 42.195, 44.341

Deuteranomaly
37, 56.135, 52.231

Tritanomaly
40, 80.681, 38.755

Monochromacy



Original Color
40, 77.223, 33.601

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 32.662, 18.592

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 77.223, 33.601 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(191, 5, 28)` looks like.

```
.text, #text, p{  
    color:rgb(191, 5, 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(191, 5, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 5, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 77.223, 33.601 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(191, 5, 28) }
```

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

```
.border{ border-color:rgb(191, 5, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 5, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 5, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 5, 28);  
box-shadow:4px 4px 4px 4px rgb(191, 5, 28)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 77.223, 33.601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 5, 28) }
```

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

```
.background{ background-color: rgb(191, 5,  
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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