

Converting Colors

CIELCh(40, 78.287, 33.127)

Have a look what the booklet for
CIELCh(40, 78.287, 33.127) contains.

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Color

CIELCh(40, 77.930, 33.357)

Conversions

Conversions Part 1

Format	Color
Hex	C0001C
RGB	192, 0, 28
RGB Percent	75%, 0%, 11%
CMY	0.2479, 1.0000, 0.8907
CMYK	0.00, 1.00, 0.85, 0.25
HSL	351°, 100%, 38%
HSV	351°, 100%, 75%
XYZ	21.8876, 11.2510, 2.1078
YIQ	60.6000, 105.4440, 49.4120

Conversions

Conversions Part 2

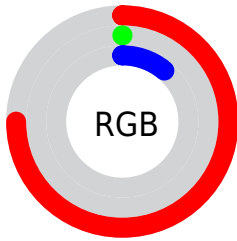
Format	Color
RYB	192, 0, 28
Decimal	12582940
CIELab	40.00, 65.09, 42.85
CIElCh	40, 77.930, 33.357
Yxy	11.2510, 0.6210, 0.3192
Android (android.graphics.Color)	4290773020 (0xFFC0001C)
YUV	60.6000, -16.0718, 115.2378
Hunter-Lab	33.5425, 57.7778, 19.7539

Details

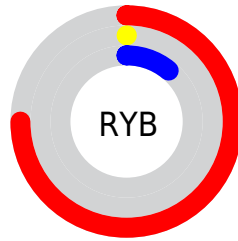
The CIELCh color **40, 77.930, 33.357** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **70, 46.879, 176.726**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 77.266, 33.522**, and **26, 61.701, 38.443** is the 20% darker color. If you saturate the color by 10%, you get **40, 77.893, 33.389**, and if you desaturate by 10%, it is **41, 72.078, 28.621**.

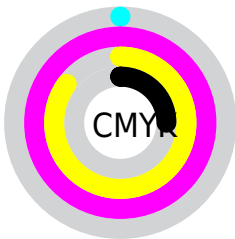
Distribution



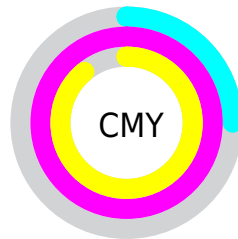
- Red (75%)
- Green (0%)
- Blue (11%)



- Red (75%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (85%)
- Black (25%)



- Cyan (25%)
- Magenta (100%)
- Yellow (89%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 77.930, 33.357 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, 77.930, 33.357 by changing the saturation by 10% instead.

 40, 77.930, 33.357

 40, 77.930, 33.357

 100, 77.930,
33.357

 30, 77.930, 33.357

 60, 77.930, 33.357

 20, 77.930, 33.357

 70, 77.930, 33.357

 10, 77.930, 33.357

 80, 77.930, 33.357

 0, 77.930, 33.357

 90, 77.930, 33.357

 40, 77.930, 33.357

 40, 77.930, 33.357

 40, 77.893, 33.389

 41, 72.078, 28.621

 43, 65.442, 23.964

■ 45, 57.922, 20.011

■ 49, 49.696, 16.825

■ 53, 41.048, 14.308

■ 57, 32.287, 12.318

■ 62, 23.668, 10.727

■ 67, 15.361, 9.431

■ 72, 7.460, 8.336

Harmonies

Complementary

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



40, 77.930, 33.357



70, 46.879, 176.726

Rectangle

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



40, 77.930, 33.357



40, 77.930, 83.357



40, 77.930, 213.357



40, 77.930, 263.357

Sweetspot

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



40, 77.893, 33.389



79, 29.378, 10.796



41, 94.424, 322.482



39, 20.245, 11.437



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, 77.893, 33.389



52, 95.896, 34.229



46, 74.326, 49.959



38, 4.257, 8.272



33, 67.810, 32.674



3, 14.159, 11.523

Inverse Universe

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



40, 77.893, 33.389



52, 95.896, 34.229



50, 43.195, 264.991



38, 4.257, 8.272



33, 67.810, 32.674



3, 14.159, 11.523

Previews

White Background



This preview shows how the CIELCh color 40, 77.930, 33.357 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, 77.930, 33.357 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, 77.930, 33.357

Background



This preview shows how black text looks on a background with the CIELCh color 40, 77.930, 33.357.



This preview shows how white text looks on a background with the CIELCh color 40, 77.930, 33.357.

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, 77.930, 33.357

Protanopia

41, 30.344, 96.309

Deuteranopia

41, 48.973, 84.014



Tritanopia
40, 82.841, 40.978

Trichromacy



Original Color
40, 77.930, 33.357

Protanomaly
36, 42.415, 43.602

Deuteranomaly
37, 56.743, 51.550

Tritanomaly
40, 81.182, 38.641

Monochromacy



Original Color
40, 77.930, 33.357

Achromatopsia
26, 0.004, 296.813

Achromatomaly
27, 33.537, 17.312

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 77.930, 33.357 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(192, 0, 28)` looks like.

```
.text, #text, p{  
    color:rgb(192, 0, 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(192, 0, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 0, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 77.930, 33.357 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(192, 0, 28) }
```

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

```
.border{ border-color:rgb(192, 0, 28) }
```

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

Here you see how a box with a 4 pixel rgb(192, 0, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 0, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 0, 28);  
box-shadow:4px 4px 4px 4px rgb(192, 0, 28)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 77.930, 33.357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 0, 28) }
```

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

```
.background{ background-color: rgb(192, 0,  
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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