

Converting Colors

CIELCh(40, 81.945, 38.019)

Have a look what the booklet for
CIELCh(40, 81.945, 38.019) contains.

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Color

CIELCh(40, 81.952, 37.962)

Conversions

Conversions Part 1

Format	Color
Hex	C0020B
RGB	192, 2, 11
RGB Percent	75%, 1%, 4%
CMY	0.2475, 0.9932, 0.9573
CMYK	0.00, 0.99, 0.94, 0.25
HSL	357°, 98%, 38%
HSV	357°, 99%, 75%
XYZ	21.7850, 11.2510, 1.3369
YIQ	59.8360, 110.3510, 43.0790

Conversions

Conversions Part 2

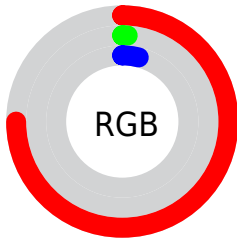
Format	Color
RYB	192, 2, 11
Decimal	12583435
CIELab	40.00, 64.61, 50.41
CIELCh	40, 81.952, 37.962
Yxy	11.2510, 0.6338, 0.3273
Android (android.graphics.Color)	4290773515 (0xFFC0020B)
YUV	59.8360, -24.0761, 115.9078
Hunter-Lab	33.5425, 57.2321, 21.1166

Details

The CIELCh color **40, 81.952, 37.962** 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, 42.047, 189.300**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 81.056, 38.000**, and **26, 61.301, 38.379** is the 20% darker color. If you saturate the color by 10%, you get **40, 82.397, 38.177**, and if you desaturate by 10%, it is **41, 75.916, 34.486**.

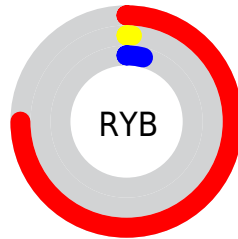
Distribution



Red (75%)

Green (1%)

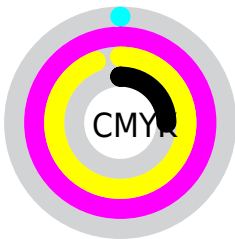
Blue (4%)



Red (75%)

Yellow (1%)

Blue (4%)

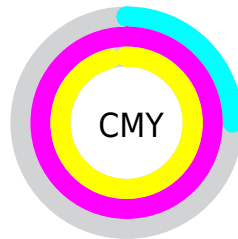


Cyan (0%)

Magenta (99%)

Yellow (94%)

Black (25%)



Cyan (25%)

Magenta (99%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 81.952, 37.962 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, 81.952, 37.962 by changing the saturation by 10% instead.

■ 40, 81.952, 37.962

■ 40, 81.952, 37.962

■ 100, 81.952,
37.962

■ 30, 81.952, 37.962

■ 60, 81.952, 37.962

■ 20, 81.952, 37.962

■ 70, 81.952, 37.962

■ 10, 81.952, 37.962

■ 80, 81.952, 37.962

■ 0, 81.952, 37.962

■ 90, 81.952, 37.962

■ 40, 81.952, 37.962

■ 40, 81.952, 37.962

■ 40, 82.397, 38.177

■ 41, 75.916, 34.486

■ 43, 68.144, 30.453

■ 45, 59.439, 26.796

■ 49, 50.251, 23.780

■ 53, 40.914, 21.395

■ 57, 31.717, 19.536

■ 62, 22.870, 18.085

■ 67, 14.501, 16.938

■ 73, 6.664, 15.993

Harmonies

Complementary

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



40, 81.952, 37.962



70, 42.047, 189.300

Rectangle

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



40, 81.952, 37.962



40, 81.952, 87.962



40, 81.952, 217.962



40, 81.952, 267.962

Sweetspot

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



40, 81.949, 37.964



79, 29.357, 18.265



44, 93.370, 326.274



39, 20.301, 18.859



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, 81.949, 37.964



52, 101.136, 38.660



50, 69.957, 56.732



38, 4.191, 16.018



33, 71.846, 37.751



3, 14.023, 16.771

Inverse Universe

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



40, 81.949, 37.964



52, 101.136, 38.660



44, 52.354, 278.440



38, 4.191, 16.018



33, 71.846, 37.751



3, 14.023, 16.771

Previews

White Background



This preview shows how the CIELCh color 40, 81.952, 37.962 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, 81.952, 37.962 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, 81.952, 37.962

Background



This preview shows how black text looks on a background with the CIELCh color 40, 81.952, 37.962.



This preview shows how white text looks on a background with the CIELCh color 40, 81.952, 37.962.

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, 81.952, 37.962

Protanopia

41, 38.873, 95.404

Deuteranopia

41, 48.788, 84.568



Tritanopia
40, 82.402, 41.068

Trichromacy



Original Color
40, 81.952, 37.962

Protanomaly
36, 48.896, 51.609

Deuteranomaly
37, 57.859, 53.046

Tritanomaly
40, 82.356, 39.840

Monochromacy



Original Color
40, 81.952, 37.962

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 34.095, 24.549

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 81.952, 37.962 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, 2, 11)` looks like.

```
.text, #text, p{  
    color:rgb(192, 2, 11)  
}
```

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, 2, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 2, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 81.952, 37.962 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, 2, 11) }
```

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

```
.border{ border-color:rgb(192, 2, 11) }
```

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

Here you see how a box with a 4 pixel rgb(192, 2, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 2, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 2, 11);  
box-shadow:4px 4px 4px 4px rgb(192, 2, 11)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 81.952, 37.962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 2, 11) }
```

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

```
.background{ background-color: rgb(192, 2,  
11) }
```

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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