

Converting Colors

CIELCh(40, 82.351, 38.396)

Have a look what the booklet for
CIELCh(40, 82.351, 38.396) contains.

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Color

CIELCh(40, 82.349, 38.337)

Conversions

Conversions Part 1

Format	Color
Hex	C00209
RGB	192, 2, 9
RGB Percent	75%, 1%, 4%
CMY	0.2475, 0.9930, 0.9650
CMYK	0.00, 0.99, 0.95, 0.25
HSL	358°, 98%, 38%
HSV	358°, 99%, 75%
XYZ	21.7808, 11.2510, 1.2797
YIQ	59.6080, 110.9930, 42.4570

Conversions

Conversions Part 2

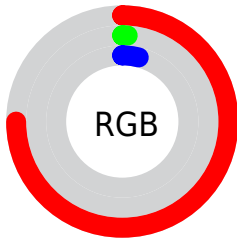
Format	Color
RYB	192, 2, 9
Decimal	12583433
CIELab	40.00, 64.59, 51.08
CIELCh	40, 82.349, 38.337
Yxy	11.2510, 0.6348, 0.3279
Android (android.graphics.Color)	4290773513 (0xFFC00209)
YUV	59.6080, -24.9497, 116.1078
Hunter-Lab	33.5425, 57.2094, 21.2178

Details

The CIELCh color **40, 82.349, 38.337** 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, 41.639, 190.829**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 81.337, 38.291**, and **26, 61.301, 38.379** is the 20% darker color. If you saturate the color by 10%, you get **40, 82.823, 38.566**, and if you desaturate by 10%, it is **41, 76.399, 35.066**.

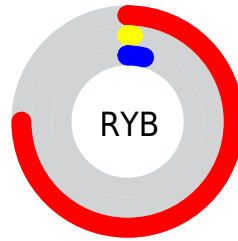
Distribution



Red (75%)

Green (1%)

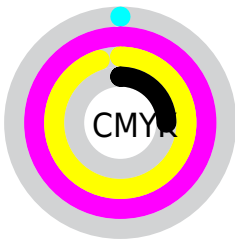
Blue (4%)



Red (75%)

Yellow (1%)

Blue (4%)

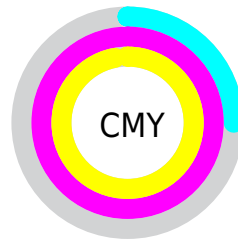


Cyan (0%)

Magenta (99%)

Yellow (95%)

Black (25%)



Cyan (25%)

Magenta (99%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 82.349, 38.337 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, 82.349, 38.337 by changing the saturation by 10% instead.

 40, 82.349, 38.337

 40, 82.349, 38.337

 100, 82.349,
38.337

 30, 82.349, 38.337

 60, 82.349, 38.337

 20, 82.349, 38.337

 70, 82.349, 38.337

 10, 82.349, 38.337

 80, 82.349, 38.337

 0, 82.349, 38.337

 90, 82.349, 38.337

 40, 82.349, 38.337

 40, 82.349, 38.337

 40, 82.823, 38.566

 41, 76.399, 35.066

 43, 68.546, 31.135

■ 45, 59.722, 27.526

■ 49, 50.426, 24.538

■ 53, 41.006, 22.174

■ 57, 31.751, 20.336

■ 62, 22.868, 18.906

■ 67, 14.480, 17.780

■ 73, 6.638, 16.858

Harmonies

Complementary

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



40, 82.349, 38.337



70, 41.639, 190.829

Rectangle

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



40, 82.349, 38.337



40, 82.349, 88.337



40, 82.349, 218.337



40, 82.349, 268.337

Sweetspot

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



40, 82.346, 38.339



79, 29.388, 19.087



44, 93.373, 326.274



39, 20.330, 19.672



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, 82.346, 38.339



52, 101.537, 38.959



50, 69.947, 56.737



38, 4.188, 16.885



33, 72.257, 38.198



3, 14.015, 17.356

Inverse Universe

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



40, 82.346, 38.339



52, 101.537, 38.959



45, 52.344, 278.427



38, 4.188, 16.885



33, 72.257, 38.198



3, 14.015, 17.356

Previews

White Background



This preview shows how the CIELCh color 40, 82.349, 38.337 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, 82.349, 38.337 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, 82.349, 38.337

Background



This preview shows how black text looks on a background with the CIELCh color 40, 82.349, 38.337.



This preview shows how white text looks on a background with the CIELCh color 40, 82.349, 38.337.

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, 82.349, 38.337

Protanopia

41, 39.734, 95.450

Deuteranopia

41, 48.788, 84.568



Tritanopia
40, 82.402, 41.068

Trichromacy



Original Color
40, 82.349, 38.337

Protanomaly
36, 49.567, 52.315

Deuteranomaly
37, 58.130, 53.269

Tritanomaly
40, 82.580, 40.037

Monochromacy



Original Color
40, 82.349, 38.337

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 34.177, 24.690

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 82.349, 38.337 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, 9)` looks like.

```
.text, #text, p{  
    color:rgb(192, 2, 9)  
}
```

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, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 2, 9) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 82.349, 38.337 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, 9) }
```

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

```
.border{ border-color:rgb(192, 2, 9) }
```

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, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 2, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(192, 2, 9); box-shadow:4px  
4px 4px 4px rgb(192, 2, 9) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 82.349, 38.337 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, 9) }
```

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

```
.background{ background-color: rgb(192, 2,  
9) }
```

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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