

Converting Colors

CIELCh(41, 83.796, 38.234)

Have a look what the booklet for
CIELCh(41, 83.796, 38.234) contains.

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Color

CIELCh(41, 83.930, 38.196)

Conversions

Conversions Part 1

Format	Color
Hex	C5000A
RGB	197, 0, 10
RGB Percent	77%, 0%, 4%
CMY	0.2285, 0.9985, 0.9617
CMYK	0.00, 1.00, 0.95, 0.23
HSL	357°, 100%, 39%
HSV	357°, 100%, 77%
XYZ	23.0161, 11.8645, 1.3577
YIQ	60.0430, 114.2020, 44.8740

Conversions

Conversions Part 2

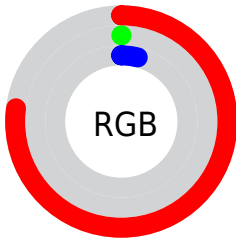
Format	Color
RYB	197, 0, 10
Decimal	12910602
CIELab	41.00, 65.96, 51.90
CIELCh	41, 83.930, 38.196
Yxy	11.8645, 0.6351, 0.3274
Android (android.graphics.Color)	4291100682 (0xFFC5000A)
YUV	60.0430, -24.6712, 120.1113
Hunter-Lab	34.4449, 58.9948, 21.7745

Details

The CIELCh color **41, 83.930, 38.196** 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 **72, 42.887, 189.296**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 80.846, 38.246**, and **27, 63.287, 38.681** is the 20% darker color. If you saturate the color by 10%, you get **41, 84.023, 38.242**, and if you desaturate by 10%, it is **42, 77.978, 34.849**.

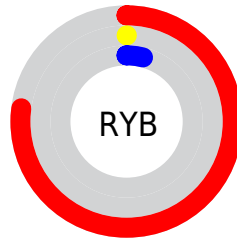
Distribution



Red (77%)

Green (0%)

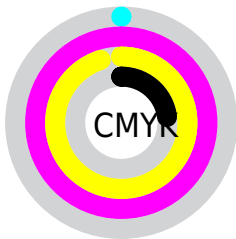
Blue (4%)



Red (77%)

Yellow (0%)

Blue (4%)

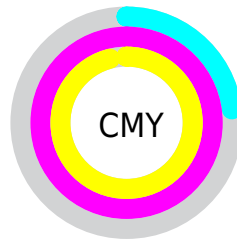


Cyan (0%)

Magenta (100%)

Yellow (95%)

Black (23%)



Cyan (23%)

Magenta (100%)

Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 83.930, 38.196 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 41, 83.930, 38.196 by changing the saturation by 10% instead.

 41, 83.930, 38.196

 41, 83.930, 38.196

 100, 83.930,
38.196

 31, 83.930, 38.196

 61, 83.930, 38.196

 21, 83.930, 38.196

 71, 83.930, 38.196

 11, 83.930, 38.196

 81, 83.930, 38.196

 1, 83.930, 38.196

 91, 83.930, 38.196


 0, 83.930, 38.196

 41, 83.930, 38.196

 41, 83.930, 38.196

 41, 84.023, 38.242

 42, 77.978, 34.849

 44, 70.157, 30.809

■ 46, 61.328, 27.100

■ 50, 51.974, 24.025

■ 54, 42.443, 21.590

■ 58, 33.034, 19.691

■ 63, 23.970, 18.211

■ 69, 15.389, 17.043

■ 74, 7.350, 16.088

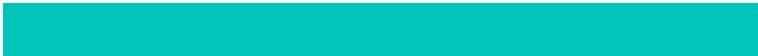
Harmonies

Complementary

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



41, 83.930, 38.196



72, 42.887, 189.296

Rectangle

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



41, 83.930, 38.196



41, 83.930, 88.196



41, 83.930, 218.196



41, 83.930, 268.196

Sweetspot

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



41, 83.927, 38.198



80, 29.846, 18.298



45, 95.282, 326.265



40, 20.646, 18.897



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41, 83.927, 38.198



53, 102.751, 38.700



51, 71.712, 56.524



39, 4.282, 16.050



34, 72.742, 37.814



3, 15.909, 16.924

Inverse Universe

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



41, 83.927, 38.198



53, 102.751, 38.700



45, 53.790, 278.845



39, 4.282, 16.050



34, 72.742, 37.814



3, 15.909, 16.924

Previews

White Background



This preview shows how the CIELCh color 41, 83.930, 38.196 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 41, 83.930, 38.196 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 41, 83.930, 38.196

Background



This preview shows how black text looks on a background with the CIELCh color 41, 83.930, 38.196.



This preview shows how white text looks on a background with the CIELCh color 41, 83.930, 38.196.

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

41, 83.997, 38.143

Protanopia

42, 40.177, 95.596

Deuteranopia

42, 49.602, 84.331



Tritanopia
41, 84.093, 41.008

Trichromacy



Original Color
41, 83.997, 38.143

Protanomaly
37, 50.321, 51.905

Deuteranomaly
38, 59.236, 52.727

Tritanomaly
41, 84.058, 39.847

Monochromacy



Original Color
41, 83.997, 38.143

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 35.378, 24.147

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 83.930, 38.196 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(197, 0, 10)` looks like.

```
.text, #text, p{  
    color:rgb(197, 0, 10)  
}
```

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(197, 0, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 0, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 83.930, 38.196 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(197, 0, 10) }
```

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

```
.border{ border-color:rgb(197, 0, 10) }
```

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

Here you see how a box with a 4 pixel rgb(197, 0, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 0, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 0, 10);  
box-shadow:4px 4px 4px 4px rgb(197, 0, 10)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 83.930, 38.196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 0, 10) }
```

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

```
.background{ background-color: rgb(197, 0,  
10) }
```

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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