

Converting Colors

CIELCh(39, 82.152, 27.849)

Have a look what the booklet for
CIELCh(39, 82.152, 27.849) contains.

CIELCh(41, 77.848, 31.334)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(41, 77.848, 31.334)

Conversions

Conversions Part 1

Format	Color
Hex	C40023
RGB	196, 0, 35
RGB Percent	77%, 0%, 14%
CMY	0.2300, 1.0000, 0.8645
CMYK	0.00, 1.00, 0.82, 0.23
HSL	349°, 100%, 38%
HSV	349°, 100%, 77%
XYZ	23.1344, 11.8645, 2.6272
YIQ	62.5940, 105.5810, 52.4370

Conversions

Conversions Part 2

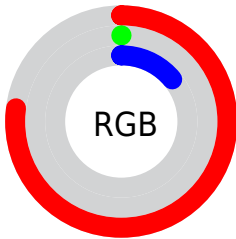
Format	Color
RYB	196, 0, 35
Decimal	12845091
CIELab	41.00, 66.49, 40.48
CIElCh	41, 77.848, 31.334
Yxy	11.8645, 0.6148, 0.3153
Android (android.graphics.Color)	4291035171 (0xFFC40023)
YUV	62.5940, -13.6038, 116.9971
Hunter-Lab	34.4449, 59.6082, 19.5893

Details

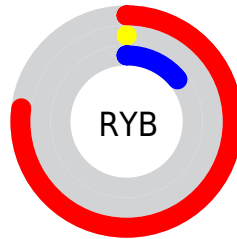
The CIELCh color **41, 77.848, 31.334** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **71, 49.587, 173.264**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 75.293, 31.271**, and **27, 63.287, 38.681** is the 20% darker color. If you saturate the color by 10%, you get **41, 77.731, 31.435**, and if you desaturate by 10%, it is **42, 72.148, 26.401**.

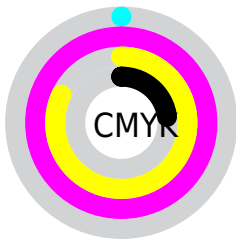
Distribution



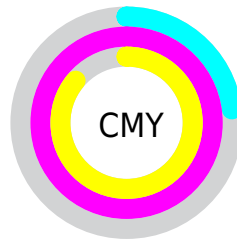
- Red (77%)
- Green (0%)
- Blue (14%)



- Red (77%)
- Yellow (0%)
- Blue (14%)



- Cyan (0%)
- Magenta (100%)
- Yellow (82%)
- Black (23%)



- Cyan (23%)
- Magenta (100%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 77.848, 31.334 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, 77.848, 31.334 by changing the saturation by 10% instead.

■ 41, 77.848, 31.334

■ 41, 77.848, 31.334

■ 100, 77.848,
31.334

■ 31, 77.848, 31.334

■ 61, 77.848, 31.334

■ 21, 77.848, 31.334

■ 71, 77.848, 31.334

■ 11, 77.848, 31.334

■ 81, 77.848, 31.334

■ 1, 77.848, 31.334

■ 91, 77.848, 31.334

■ 0, 77.848, 31.334

■ 41, 77.848, 31.334

■ 41, 77.848, 31.334

■ 41, 77.731, 31.435

■ 42, 72.148, 26.401

■ 44, 65.810, 21.651

■ 46, 58.516, 17.678

■ 50, 50.410, 14.495

■ 54, 41.783, 11.981

■ 58, 32.964, 9.987

■ 63, 24.227, 8.384

■ 68, 15.760, 7.068

■ 74, 7.670, 5.950

Harmonies

Complementary

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



41, 77.848, 31.334



71, 49.587, 173.264

Rectangle

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



41, 77.848, 31.334



41, 77.848, 81.334



41, 77.848, 211.334



41, 77.848, 261.334

Sweetspot

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



41, 77.731, 31.435



80, 29.986, 8.452



40, 96.518, 321.266



40, 20.647, 9.104



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, 77.731, 31.435



53, 95.446, 32.312



46, 77.087, 48.107



38, 4.295, 5.882



33, 66.451, 30.581



3, 14.227, 9.884

Inverse Universe

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



41, 77.731, 31.435



53, 95.446, 32.312



53, 41.431, 259.397



38, 4.295, 5.882



33, 66.451, 30.581



3, 14.227, 9.884

Previews

White Background



This preview shows how the CIELCh color 41, 77.848, 31.334 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, 77.848, 31.334 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, 77.848, 31.334

Background



This preview shows how black text looks on a background with the CIELCh color 41, 77.848, 31.334.



This preview shows how white text looks on a background with the CIELCh color 41, 77.848, 31.334.

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, 77.491, 31.251

Protanopia

42, 26.460, 95.796

Deuteranopia

42, 45.390, 83.317



Tritanopia
41, 84.526, 40.923

Trichromacy



Original Color
41, 77.491, 31.251

Protanomaly
37, 40.589, 38.056

Deuteranomaly
38, 54.079, 47.872

Tritanomaly
41, 82.316, 38.147

Monochromacy



Original Color
41, 77.491, 31.251

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 33.682, 14.192

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 77.848, 31.334 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(196, 0, 35)` looks like.

```
.text, #text, p{  
    color:rgb(196, 0, 35)  
}
```

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(196, 0, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 0, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 77.848, 31.334 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(196, 0, 35) }
```

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

```
.border{ border-color:rgb(196, 0, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 0, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 0, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 0, 35);  
box-shadow:4px 4px 4px 4px rgb(196, 0, 35)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 77.848, 31.334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 0, 35) }
```

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

```
.background{ background-color: rgb(196, 0,  
35) }
```

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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