

Converting Colors

CIELCh(41, 80.585, 42.566)

Have a look what the booklet for
CIELCh(41, 80.585, 42.566) contains.

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Color

CIELCh(41, 80.389, 42.462)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | BD1F00 |
| RGB | 189, 31, 0 |
| RGB Percent | 74%, 12%, 0% |
| CMY | 0.2575, 0.8767, 0.9991 |
| CMYK | 0.00, 0.83, 1.00, 0.26 |
| HSL | 10°, 100%, 37% |
| HSV | 10°, 100%, 74% |
| XYZ | 21.5727, 11.8645, 1.1598 |
| YIQ | 74.7080, 104.1190, 23.8550 |

Conversions

Conversions Part 2

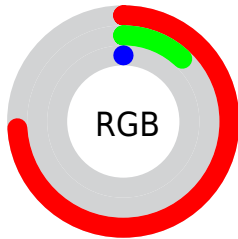
| Format | Color |
|-------------------------------------|--|
| RYB | 189, 37, 0 |
| Decimal | 12394240 |
| CIELab | 41.00, 59.30, 54.27 |
| CIELCh | 41, 80.389, 42.462 |
| Yxy | 11.8645, 0.6235, 0.3429 |
| Android (android.graphics.Color) | 4290584320 (0xFFBD1F00) |
| YUV | 74.7080, -36.8310, 100.2341 |
| Hunter-Lab | 34.4449, 51.5152, 22.1151 |

Details

The CIELCh color **41, 80.389, 42.462** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **60, 34.800, 227.931**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 80.590, 42.566**, and **25, 60.499, 38.246** is the 20% darker color. If you saturate the color by 10%, you get **41, 80.472, 42.483**, and if you desaturate by 10%, it is **43, 73.524, 41.635**.

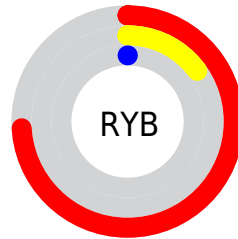
Distribution



Red (74%)

Green (12%)

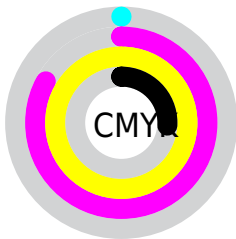
Blue (0%)



Red (74%)

Yellow (15%)

Blue (0%)

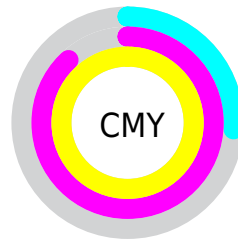


Cyan (0%)

Magenta (83%)

Yellow (100%)

Black (26%)



Cyan (26%)

Magenta (88%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 80.389, 42.462 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, 80.389, 42.462 by changing the saturation by 10% instead.

41, 80.389, 42.462

41, 80.389, 42.462

100, 80.389,
42.462

31, 80.389, 42.462

61, 80.389, 42.462

21, 80.389, 42.462

71, 80.389, 42.462

11, 80.389, 42.462

81, 80.389, 42.462

1, 80.389, 42.462

91, 80.389, 42.462

0, 80.389, 42.462

41, 80.389, 42.462

41, 80.389, 42.462

41, 80.472, 42.483

43, 73.524, 41.635

45, 64.898, 40.394

■ 48, 55.479, 39.000

■ 51, 46.052, 37.791

■ 55, 36.973, 36.859

■ 59, 28.407, 36.199

■ 63, 20.423, 35.769

■ 68, 13.033, 35.521

■ 72, 6.213, 35.390

Harmonies

Complementary

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



41, 80.389, 42.462



60, 34.800, 227.931

Rectangle

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



41, 80.389, 42.462



41, 80.389, 92.462



41, 80.389, 222.462



41, 80.389, 272.462

Sweetspot

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



41, 80.386, 42.464



81, 25.545, 35.790



43, 82.136, 335.268



41, 17.884, 35.953



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



41, 80.386, 42.464



53, 98.837, 42.152



57, 65.910, 74.043



37, 3.548, 35.383



34, 70.007, 42.668



4, 11.014, 30.052

Inverse Universe

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



60, 34.800, 227.931



77, 42.552, 228.561



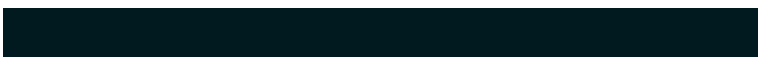
33, 76.159, 295.668



39, 3.345, 215.699



51, 30.459, 227.484



7, 9.644, 222.385

Previews

White Background



This preview shows how the CIELCh color 41, 80.389, 42.462 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, 80.389, 42.462 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, 80.389, 42.462

Background



This preview shows how black text looks on a background with the CIELCh color 41, 80.389, 42.462.



This preview shows how white text looks on a background with the CIELCh color 41, 80.389, 42.462.

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, 80.389, 42.462

Protanopia

41, 41.775, 95.598

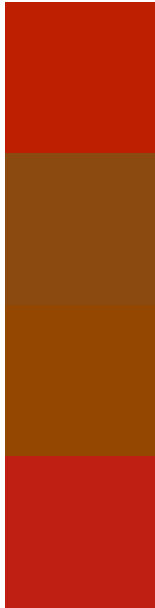
Deuteranopia

41, 49.288, 84.174



Tritanopia
41, 74.374, 35.924

Trichromacy



Original Color
41, 80.389, 42.462

Protanomaly
39, 49.423, 61.578

Deuteranomaly
39, 57.089, 59.671

Tritanomaly
41, 76.851, 38.909

Monochromacy



Original Color
41, 80.389, 42.462

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 30.353, 37.026

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 80.389, 42.462 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(189, 31, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 31, 0)  
}
```

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(189, 31, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 31, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 80.389, 42.462 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(189, 31, 0) }
```

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

```
.border{ border-color:rgb(189, 31, 0) }
```

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

Here you see how a box with a 4 pixel rgb(189, 31, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 31, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 31, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 31, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 80.389, 42.462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 31, 0) }
```

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

```
.background{ background-color: rgb(189, 31,  
0) }
```

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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