

Converting Colors

CIELCh(46, 83.840, 43.973)

Have a look what the booklet for
CIELCh(46, 83.840, 43.973) contains.

| | |
|--|----|
| CIELCh(46, 83.823, 44.041) | 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(46, 83.823, 44.041)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | CF2F01 |
| RGB | 207, 47, 1 |
| RGB Percent | 81%, 18%, 0% |
| CMY | 0.1888, 0.8162, 0.9965 |
| CMYK | 0.00, 0.77, 1.00, 0.19 |
| HSL | 13°, 99%, 41% |
| HSV | 13°, 100%, 81% |
| XYZ | 26.7085, 15.2687, 1.5648 |
| YIQ | 89.5960, 110.1260, 19.6140 |

Conversions

Conversions Part 2

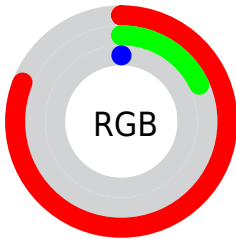
| Format | Color |
|-------------------------------------|---|
| RYB | 207, 60, 1 |
| Decimal | 13577985 |
| CIELab | 46.00, 60.26, 58.27 |
| CIELCh | 46, 83.823, 44.041 |
| Yxy | 15.2687, 0.6134, 0.3507 |
| Android (android.graphics.Color) | 4291768065 (0xFFCF2F01) |
| YUV | 89.5960, -43.6778, 102.9633 |
| Hunter-Lab | 39.0751, 53.6263, 24.9783 |

Details

The CIELCh color **46, 83.823, 44.041** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **62, 38.093, 240.789**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 76.888, 45.123**, and **29, 67.168, 39.169** is the 20% darker color. If you saturate the color by 10%, you get **46, 84.121, 44.062**, and if you desaturate by 10%, it is **48, 76.607, 44.149**.

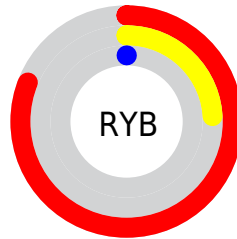
Distribution



Red (81%)

Green (18%)

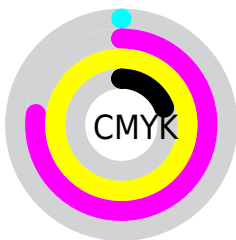
Blue (0%)



Red (81%)

Yellow (24%)

Blue (0%)

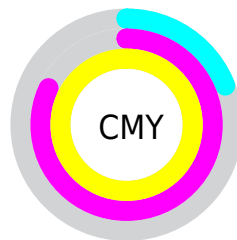


Cyan (0%)

Magenta (77%)

Yellow (100%)

Black (19%)



Cyan (19%)

Magenta (82%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 83.823, 44.041 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 46, 83.823, 44.041 by changing the saturation by 10% instead.

46, 83.823, 44.041

46, 83.823, 44.041

100, 83.823,
44.041

36, 83.823, 44.041

66, 83.823, 44.041

26, 83.823, 44.041

76, 83.823, 44.041

16, 83.823, 44.041

86, 83.823, 44.041

6, 83.823, 44.041

96, 83.823, 44.041

0, 83.823, 44.041

46, 83.823, 44.041

46, 83.823, 44.041

46, 84.121, 44.062

48, 76.607, 44.149

51, 67.446, 43.670

■ 54, 57.499, 42.952

■ 57, 47.604, 42.321

■ 61, 38.129, 41.882

■ 65, 29.230, 41.646

■ 70, 20.958, 41.587

■ 74, 13.309, 41.670

■ 79, 6.249, 41.836

Harmonies

Complementary

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



46, 83.823, 44.041



62, 38.093, 240.789

Rectangle

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



46, 83.823, 44.041



46, 83.823, 94.041



46, 83.823, 224.041



46, 83.823, 274.041

Sweetspot

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



46, 83.820, 44.043



84, 25.279, 41.586



47, 83.363, 339.241



42, 17.554, 41.597



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



46, 83.820, 44.043



56, 98.904, 43.749



65, 70.839, 80.229



42, 3.734, 41.839



37, 71.787, 44.450



6, 17.551, 31.918

Inverse Universe

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



62, 38.093, 240.789



75, 44.761, 241.549



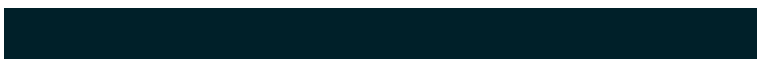
33, 90.350, 299.280



43, 3.527, 222.674



51, 32.632, 240.273



10, 12.216, 230.921

Previews

White Background



This preview shows how the CIELCh color 46, 83.823, 44.041 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 46, 83.823, 44.041 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 46, 83.823, 44.041

Background



This preview shows how black text looks on a background with the CIELCh color 46, 83.823, 44.041.



This preview shows how white text looks on a background with the CIELCh color 46, 83.823, 44.041.

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

46, 83.823, 44.041

Protanopia

46, 46.457, 95.199

Deuteranopia

46, 53.449, 83.771



Tritanopia
46, 74.221, 33.469

Trichromacy



Original Color
46, 83.823, 44.041

Protanomaly
44, 53.399, 64.660

Deuteranomaly
44, 61.009, 61.461

Tritanomaly
46, 78.435, 38.710

Monochromacy



Original Color
46, 83.823, 44.041

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 30.865, 42.380

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 83.823, 44.041 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(207, 47, 1)` looks like.

```
.text, #text, p{  
    color:rgb(207, 47, 1)  
}
```

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(207, 47, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 47, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 83.823, 44.041 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(207, 47, 1) }
```

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

```
.border{ border-color:rgb(207, 47, 1) }
```

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

Here you see how a box with a 4 pixel rgb(207, 47, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 47, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 47, 1);  
box-shadow:4px 4px 4px 4px rgb(207, 47, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 83.823, 44.041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 47, 1) }
```

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

```
.background{ background-color: rgb(207, 47,  
1) }
```

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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