

Converting Colors

CIELCh(46, 93.700, 39.667)

Have a look what the booklet for
CIELCh(46, 93.700, 39.667) contains.

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Color

CIELCh(46, 93.665, 39.849)

Conversions

Conversions Part 1

Format	Color
Hex	DD0001
RGB	221, 0, 1
RGB Percent	87%, 0%, 0%
CMY	0.1352, 1.0000, 0.9975
CMYK	0.00, 1.00, 1.00, 0.14
HSL	360°, 100%, 43%
HSV	360°, 100%, 86%
XYZ	29.6626, 15.2687, 1.4022
YIQ	66.1930, 131.3950, 47.1630

Conversions

Conversions Part 2

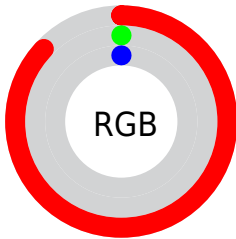
Format	Color
RYB	221, 0, 1
Decimal	14483457
CIELab	46.00, 71.91, 60.02
CIELCh	46, 93.665, 39.849
Yxy	15.2687, 0.6402, 0.3295
Android (android.graphics.Color)	4292673537 (0xFFDD0001)
YUV	66.1930, -32.1401, 135.7657
Hunter-Lab	39.0751, 67.1208, 25.2250

Details

The CIELCh color **46, 93.665, 39.849** 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 **80, 45.002, 195.935**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 80.940, 40.654**, and **32, 71.668, 39.584** is the 20% darker color. If you saturate the color by 10%, you get **46, 93.582, 39.902**, and if you desaturate by 10%, it is **47, 87.819, 37.370**.

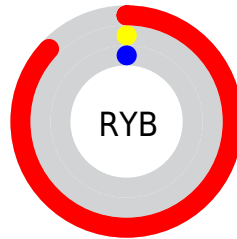
Distribution



Red (87%)

Green (0%)

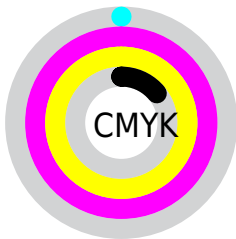
Blue (0%)



Red (87%)

Yellow (0%)

Blue (0%)

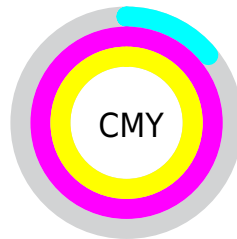


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (14%)



Cyan (14%)

Magenta (100%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 93.665, 39.849 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, 93.665, 39.849 by changing the saturation by 10% instead.

 46, 93.665, 39.849

 46, 93.665, 39.849

 100, 93.665,
39.849

 36, 93.665, 39.849

 66, 93.665, 39.849

 26, 93.665, 39.849

 76, 93.665, 39.849

 16, 93.665, 39.849

 86, 93.665, 39.849

 6, 93.665, 39.849

 96, 93.665, 39.849

 0, 93.665, 39.849

 46, 93.665, 39.849

 46, 93.665, 39.849

 46, 93.582, 39.902

 47, 87.819, 37.370

 49, 79.212, 33.866

■ 51, 69.075, 30.347

■ 55, 58.326, 27.344

■ 60, 47.459, 24.956

■ 65, 36.823, 23.110

■ 70, 26.661, 21.697

■ 76, 17.111, 20.608

■ 82, 8.227, 19.741

Harmonies

Complementary

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



46, 93.665, 39.849



80, 45.002, 195.935

Rectangle

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



46, 93.665, 39.849



46, 93.665, 89.849



46, 93.665, 219.849



46, 93.665, 269.849

Sweetspot

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



46, 93.582, 39.902



80, 30.023, 21.727



52, 103.633, 327.567



40, 20.800, 22.286



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, 93.582, 39.902



53, 104.458, 39.919



58, 77.135, 58.765



43, 4.639, 19.695



36, 78.108, 39.810



5, 23.835, 20.143

Inverse Universe

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



46, 93.582, 39.902



53, 104.458, 39.919



49, 63.292, 282.960



43, 4.639, 19.695



36, 78.108, 39.810



5, 23.835, 20.143

Previews

White Background



This preview shows how the CIELCh color 46, 93.665, 39.849 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, 93.665, 39.849 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, 93.665, 39.849

Background



This preview shows how black text looks on a background with the CIELCh color 46, 93.665, 39.849.



This preview shows how white text looks on a background with the CIELCh color 46, 93.665, 39.849.

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, 93.665, 39.849

Protanopia

47, 45.009, 95.202

Deuteranopia

47, 53.884, 84.549

Trichromacy



Original Color
46, 93.665, 39.849

Protanomaly
41, 56.929, 53.107

Deuteranomaly
42, 65.753, 53.164

Monochromacy



Original Color
46, 93.665, 39.849

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 39.567, 28.249

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 93.665, 39.849 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(221, 0, 1)` looks like.

```
.text, #text, p{  
    color:rgb(221, 0, 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(221, 0, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 0, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 93.665, 39.849 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(221, 0, 1) }
```

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

```
.border{ border-color:rgb(221, 0, 1) }
```

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

Here you see how a box with a 4 pixel rgb(221, 0, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 0, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(221, 0, 1); box-shadow:4px  
4px 4px 4px rgb(221, 0, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 93.665, 39.849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 0, 1) }
```

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

```
.background{ background-color: rgb(221, 0,  
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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