

Converting Colors

CIELCh(46, 92.133, 40.790)

Have a look what the booklet for
CIELCh(46, 92.133, 40.790) contains.

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Color

CIELCh(46, 91.902, 40.671)

Conversions

Conversions Part 1

Format	Color
Hex	DA1000
RGB	218, 16, 0
RGB Percent	85%, 6%, 0%
CMY	0.1452, 0.9374, 1.0000
CMYK	0.00, 0.93, 1.00, 0.15
HSL	4°, 100%, 43%
HSV	4°, 100%, 85%
XYZ	29.0876, 15.2687, 1.4133
YIQ	74.5740, 125.5280, 37.8480

Conversions

Conversions Part 2

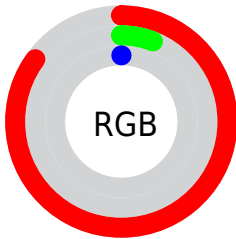
Format	Color
RYB	218, 17, 0
Decimal	14290944
CIELab	46.00, 69.70, 59.89
CIElCh	46, 91.902, 40.671
Yxy	15.2687, 0.6355, 0.3336
Android (android.graphics.Color)	4292481024 (0xFFDA1000)
YUV	74.5740, -36.7650, 125.7846
Hunter-Lab	39.0751, 64.4944, 25.2081

Details

The CIELCh color **46, 91.902, 40.671** 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 **74, 40.567, 209.111**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 80.318, 41.459**, and **31, 70.559, 39.496** is the 20% darker color. If you saturate the color by 10%, you get **46, 91.894, 40.669**, and if you desaturate by 10%, it is **47, 85.452, 38.908**.

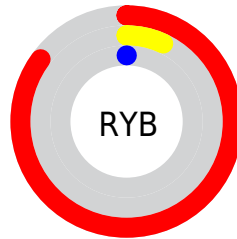
Distribution



Red (85%)

Green (6%)

Blue (0%)



Red (85%)

Yellow (7%)

Blue (0%)

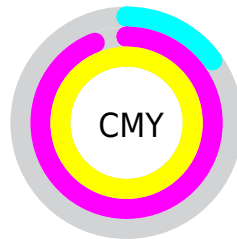


Cyan (0%)

Magenta (93%)

Yellow (100%)

Black (15%)



Cyan (15%)

Magenta (94%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 91.902, 40.671 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, 91.902, 40.671 by changing the saturation by 10% instead.

■ 46, 91.902, 40.671 ■ 46, 91.902, 40.671

■ 100, 91.902, 40.671 ■ 36, 91.902, 40.671

■ 66, 91.902, 40.671 ■ 26, 91.902, 40.671

■ 76, 91.902, 40.671 ■ 16, 91.902, 40.671

■ 86, 91.902, 40.671 ■ 6, 91.902, 40.671

■ 96, 91.902, 40.671 ■ 0, 91.902, 40.671

■ 46, 91.902, 40.671 ■ 46, 91.902, 40.671

■ 46, 91.894, 40.669 ■ 47, 85.452, 38.908

■ 49, 76.275, 36.449

■ 52, 65.815, 33.892

■ 56, 55.050, 31.687

■ 61, 44.456, 29.930

■ 65, 34.300, 28.588

■ 70, 24.737, 27.583

■ 76, 15.834, 26.839

■ 81, 7.598, 26.272

Harmonies

Complementary

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



46, 91.902, 40.671



74, 40.567, 209.111

Rectangle

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



46, 91.902, 40.671



46, 91.902, 90.671



46, 91.902, 220.671



46, 91.902, 270.671

Sweetspot

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



46, 91.894, 40.669



81, 28.125, 27.606



51, 97.369, 331.109



41, 19.516, 28.000



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, 91.894, 40.669



54, 103.604, 40.577



61, 74.140, 65.929



43, 4.325, 26.242



36, 77.220, 40.813



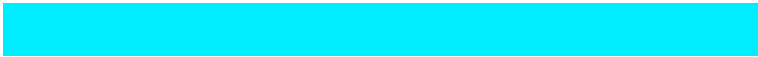
6, 22.701, 23.967

Inverse Universe

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



74, 40.567, 209.111



86, 45.639, 209.236



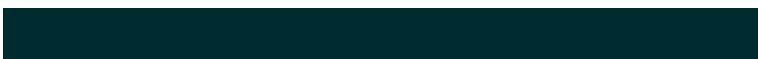
43, 73.872, 290.420



45, 4.069, 205.794



60, 34.241, 208.897



15, 13.937, 206.557

Previews

White Background



This preview shows how the CIELCh color 46, 91.902, 40.671 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, 91.902, 40.671 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, 91.902, 40.671

Background



This preview shows how black text looks on a background with the CIELCh color 46, 91.902, 40.671.



This preview shows how white text looks on a background with the CIELCh color 46, 91.902, 40.671.

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, 91.902, 40.671

Protanopia

47, 45.312, 95.830

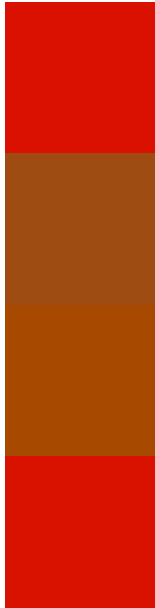
Deuteranopia

46, 53.575, 84.409



Tritanopia
46, 91.323, 40.853

Trichromacy



Original Color
46, 91.902, 40.671

Protanomaly
42, 55.589, 56.485

Deuteranomaly
43, 64.166, 55.812

Tritanomaly
46, 91.410, 40.792

Monochromacy



Original Color
46, 91.902, 40.671

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 36.628, 31.780

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 91.902, 40.671 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(218, 16, 0)` looks like.

```
.text, #text, p{  
    color:rgb(218, 16, 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(218, 16, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 16, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 91.902, 40.671 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(218, 16, 0) }
```

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

```
.border{ border-color:rgb(218, 16, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 16, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 16, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 16, 0);  
box-shadow:4px 4px 4px 4px rgb(218, 16, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 91.902, 40.671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 16, 0) }
```

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

```
.background{ background-color: rgb(218, 16,  
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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