

Converting Colors

CIELCh(46, 88.833, 36.358)

Have a look what the booklet for
CIELCh(46, 88.833, 36.358) contains.

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Color

CIELCh(46, 89.073, 36.484)

Conversions

Conversions Part 1

Format	Color
Hex	DC0216
RGB	220, 2, 22
RGB Percent	86%, 1%, 9%
CMY	0.1385, 0.9917, 0.9146
CMYK	0.00, 0.99, 0.90, 0.14
HSL	355°, 98%, 43%
HSV	355°, 99%, 86%
XYZ	29.5857, 15.2687, 2.1353
YIQ	69.4620, 123.5080, 52.4360

Conversions

Conversions Part 2

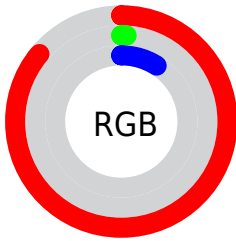
Format	Color
RYB	220, 2, 22
Decimal	14418454
CIELab	46.00, 71.62, 52.96
CIElCh	46, 89.073, 36.484
Yxy	15.2687, 0.6296, 0.3249
Android (android.graphics.Color)	4292608534 (0xFFDC0216)
YUV	69.4620, -23.3988, 132.0218
Hunter-Lab	39.0751, 66.7697, 24.1127

Details

The CIELCh color **46, 89.073, 36.484** 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 **79, 48.616, 183.486**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 76.975, 36.451**, and **32, 71.668, 39.584** is the 20% darker color. If you saturate the color by 10%, you get **46, 89.633, 36.806**, and if you desaturate by 10%, it is **47, 82.389, 32.265**.

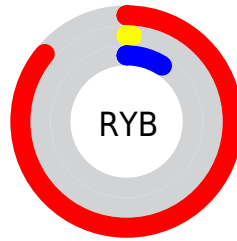
Distribution



Red (86%)

Green (1%)

Blue (9%)



Red (86%)

Yellow (1%)

Blue (9%)

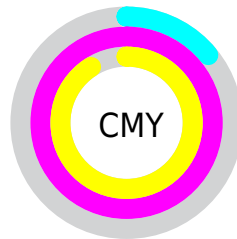


Cyan (0%)

Magenta (99%)

Yellow (90%)

Black (14%)



Cyan (14%)

Magenta (99%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 89.073, 36.484 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, 89.073, 36.484 by changing the saturation by 10% instead.

■ 46, 89.073, 36.484

■ 46, 89.073, 36.484

■ 100, 89.073,
36.484

■ 36, 89.073, 36.484

■ 66, 89.073, 36.484

■ 26, 89.073, 36.484

■ 76, 89.073, 36.484

■ 16, 89.073, 36.484

■ 86, 89.073, 36.484

■ 6, 89.073, 36.484

■ 96, 89.073, 36.484

■ 0, 89.073, 36.484

■ 46, 89.073, 36.484

■ 46, 89.073, 36.484

■ 46, 89.633, 36.806

■ 47, 82.389, 32.265

■ 49, 74.229, 27.851

■ 52, 65.092, 23.980

■ 56, 55.314, 20.827

■ 60, 45.239, 18.340

■ 65, 35.200, 16.391

■ 71, 25.457, 14.856

■ 76, 16.173, 13.625

■ 82, 7.428, 12.598

Harmonies

Complementary

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



46, 89.073, 36.484



79, 48.616, 183.486

Rectangle

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



46, 89.073, 36.484



46, 89.073, 86.484



46, 89.073, 216.484



46, 89.073, 266.484

Sweetspot

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



46, 89.070, 36.486



80, 29.786, 15.024



49, 103.767, 324.336



40, 20.573, 15.651



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, 89.070, 36.486



53, 100.732, 37.146



54, 79.676, 52.871



43, 4.664, 12.636



36, 74.507, 36.119



5, 23.735, 16.368

Inverse Universe

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



46, 89.070, 36.486



53, 100.732, 37.146



54, 52.696, 272.507



43, 4.664, 12.636



36, 74.507, 36.119



5, 23.735, 16.368

Previews

White Background



This preview shows how the CIELCh color 46, 89.073, 36.484 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, 89.073, 36.484 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, 89.073, 36.484

Background



This preview shows how black text looks on a background with the CIELCh color 46, 89.073, 36.484.



This preview shows how white text looks on a background with the CIELCh color 46, 89.073, 36.484.

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, 89.129, 36.441

Protanopia

47, 39.754, 95.566

Deuteranopia

47, 53.757, 83.917



Tritanopia
46, 91.561, 40.907

Trichromacy



Original Color
46, 89.129, 36.441

Protanomaly
41, 51.625, 48.431

Deuteranomaly
42, 63.745, 52.224

Tritanomaly
46, 90.965, 39.345

Monochromacy



Original Color
46, 89.129, 36.441

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 37.525, 21.487

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 89.073, 36.484 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(220, 2, 22)` looks like.

```
.text, #text, p{  
  color:rgb(220, 2, 22)  
}
```

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(220, 2, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 2, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 89.073, 36.484 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(220, 2, 22) }
```

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

```
.border{ border-color:rgb(220, 2, 22) }
```

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

Here you see how a box with a 4 pixel rgb(220, 2, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 2, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 2, 22);  
box-shadow:4px 4px 4px 4px rgb(220, 2, 22)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 89.073, 36.484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 2, 22) }
```

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

```
.background{ background-color: rgb(220, 2,  
22) }
```

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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