

Converting Colors

CIELCh(46, 93.275, 39.967)

Have a look what the booklet for
CIELCh(46, 93.275, 39.967) contains.

CIELCh(46, 93.227, 39.925)	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, 93.227, 39.925)

Conversions

Conversions Part 1

Format	Color
Hex	DC0201
RGB	220, 2, 1
RGB Percent	86%, 1%, 0%
CMY	0.1371, 0.9916, 0.9960
CMYK	0.00, 0.99, 1.00, 0.14
HSL	0°, 99%, 43%
HSV	0°, 100%, 86%
XYZ	29.5537, 15.2687, 1.4189
YIQ	67.0680, 130.2490, 45.9050

Conversions

Conversions Part 2

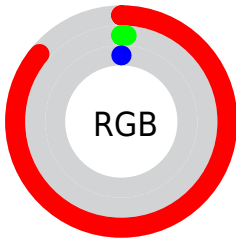
Format	Color
RYB	220, 2, 1
Decimal	14418433
CIELab	46.00, 71.49, 59.83
CIELCh	46, 93.227, 39.925
Yxy	15.2687, 0.6391, 0.3302
Android (android.graphics.Color)	4292608513 (0xFFDC0201)
YUV	67.0680, -32.5715, 134.1214
Hunter-Lab	39.0751, 66.6233, 25.1996

Details

The CIELCh color **46, 93.227, 39.925** 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, 44.475, 197.188**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 80.940, 40.654**, and **32, 71.300, 39.555** is the 20% darker color. If you saturate the color by 10%, you get **46, 93.486, 40.043**, and if you desaturate by 10%, it is **47, 87.358, 37.429**.

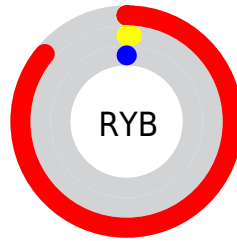
Distribution



Red (86%)

Green (1%)

Blue (0%)



Red (86%)

Yellow (1%)

Blue (0%)

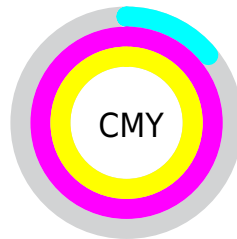


Cyan (0%)

Magenta (99%)

Yellow (100%)

Black (14%)



Cyan (14%)

Magenta (99%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 93.227, 39.925 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, 93.227, 39.925 by changing the saturation by 10% instead.

■ 46, 93.227, 39.925

■ 46, 93.227, 39.925

■ 100, 93.227,
39.925

■ 36, 93.227, 39.925

■ 66, 93.227, 39.925

■ 26, 93.227, 39.925

■ 76, 93.227, 39.925

■ 16, 93.227, 39.925

■ 86, 93.227, 39.925

■ 6, 93.227, 39.925

■ 96, 93.227, 39.925

■ 0, 93.227, 39.925

■ 46, 93.227, 39.925

■ 46, 93.227, 39.925

■ 46, 93.486, 40.043

■ 47, 87.358, 37.429

■ 49, 78.605, 34.013

■ 52, 68.375, 30.597

■ 55, 57.586, 27.689

■ 60, 46.726, 25.379

■ 65, 36.135, 23.597

■ 70, 26.042, 22.234

■ 76, 16.574, 21.187

■ 82, 7.775, 20.353

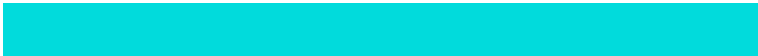
Harmonies

Complementary

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



46, 93.227, 39.925



79, 44.475, 197.188

Rectangle

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



46, 93.227, 39.925



46, 93.227, 89.925



46, 93.227, 219.925



46, 93.227, 269.925

Sweetspot

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



46, 93.224, 39.927



80, 29.895, 22.320



52, 103.302, 328.230



40, 20.716, 22.865



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, 93.224, 39.927



53, 104.514, 40.036



58, 76.208, 60.241



43, 4.615, 20.345



36, 78.164, 39.990



5, 23.758, 20.515

Inverse Universe

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



79, 44.475, 197.188



91, 49.739, 197.197



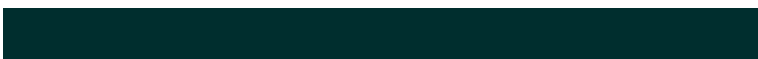
48, 65.038, 284.428



45, 4.348, 199.419



64, 37.257, 197.177



16, 14.982, 197.040

Previews

White Background



This preview shows how the CIELCh color 46, 93.227, 39.925 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, 93.227, 39.925 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, 93.227, 39.925

Background



This preview shows how black text looks on a background with the CIELCh color 46, 93.227, 39.925.



This preview shows how white text looks on a background with the CIELCh color 46, 93.227, 39.925.

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, 93.227, 39.925

Protanopia

47, 45.009, 95.202

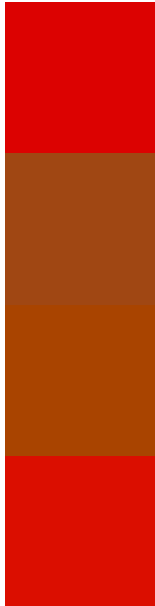
Deuteranopia

47, 53.757, 83.917



Tritanopia
46, 91.561, 40.907

Trichromacy



Original Color
46, 93.227, 39.925

Protanomaly
41, 56.929, 53.107

Deuteranomaly
42, 65.544, 53.556

Tritanomaly
46, 92.377, 40.562

Monochromacy



Original Color
46, 93.227, 39.925

Achromatopsia
28, 0.004, 296.813

Achromatomaly
30, 39.477, 28.120

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 93.227, 39.925 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, 1)` looks like.

```
.text, #text, p{  
    color:rgb(220, 2, 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(220, 2, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 2, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 93.227, 39.925 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, 1) }
```

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

```
.border{ border-color:rgb(220, 2, 1) }
```

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, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 2, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(220, 2, 1); box-shadow:4px  
4px 4px 4px rgb(220, 2, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 93.227, 39.925 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, 1) }
```

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

```
.background{ background-color: rgb(220, 2,  
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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor