

Converting Colors

CIELCh(46, 92.578, 39.421)

Have a look what the booklet for
CIELCh(46, 92.578, 39.421) contains.

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Color

CIELCh(46, 92.656, 39.477)

Conversions

Conversions Part 1

Format	Color
Hex	DC0204
RGB	220, 2, 4
RGB Percent	86%, 1%, 2%
CMY	0.1372, 0.9919, 0.9843
CMYK	0.00, 0.99, 0.98, 0.14
HSL	359°, 98%, 44%
HSV	359°, 99%, 86%
XYZ	29.5602, 15.2687, 1.5041
YIQ	67.4100, 129.2860, 46.8380

Conversions

Conversions Part 2

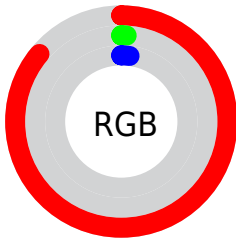
Format	Color
RYB	220, 2, 4
Decimal	14418436
CIELab	46.00, 71.52, 58.91
CIElCh	46, 92.656, 39.477
Yxy	15.2687, 0.6380, 0.3295
Android (android.graphics.Color)	4292608516 (0xFFDC0204)
YUV	67.4100, -31.2611, 133.8214
Hunter-Lab	39.0751, 66.6531, 25.0703

Details

The CIELCh color **46, 92.656, 39.477** 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, 45.070, 195.024**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **61, 80.365, 40.102**, and **32, 71.300, 39.555** is the 20% darker color. If you saturate the color by 10%, you get **46, 93.158, 39.702**, and if you desaturate by 10%, it is **47, 86.667, 36.790**.

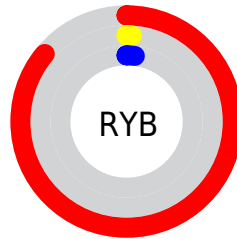
Distribution



Red (86%)

Green (1%)

Blue (2%)



Red (86%)

Yellow (1%)

Blue (2%)

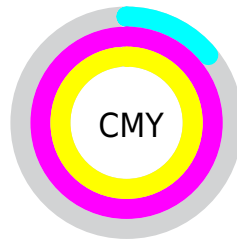


Cyan (0%)

Magenta (99%)

Yellow (98%)

Black (14%)



Cyan (14%)

Magenta (99%)

Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 92.656, 39.477 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, 92.656, 39.477 by changing the saturation by 10% instead.

 46, 92.656, 39.477

 46, 92.656, 39.477

 100, 92.656,
39.477

 36, 92.656, 39.477

 66, 92.656, 39.477

 26, 92.656, 39.477

 76, 92.656, 39.477

 16, 92.656, 39.477

 86, 92.656, 39.477

 6, 92.656, 39.477

 96, 92.656, 39.477

 0, 92.656, 39.477

 46, 92.656, 39.477

 46, 92.656, 39.477

 46, 93.158, 39.702

 47, 86.667, 36.790

 49, 77.879, 33.164

■ 52, 67.739, 29.643

■ 55, 57.050, 26.678

■ 60, 46.267, 24.330

■ 65, 35.728, 22.517

■ 70, 25.666, 21.124

■ 76, 16.212, 20.046

■ 82, 7.414, 19.178

Harmonies

Complementary

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



46, 92.656, 39.477



80, 45.070, 195.024

Rectangle

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



46, 92.656, 39.477



46, 92.656, 89.477



46, 92.656, 219.477



46, 92.656, 269.477

Sweetspot

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



46, 92.653, 39.479



80, 29.992, 21.271



52, 103.278, 327.567



40, 20.775, 21.836



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, 92.653, 39.479



53, 104.218, 39.752



58, 76.515, 59.002



43, 4.638, 19.208



36, 77.847, 39.565



5, 23.825, 19.884

Inverse Universe

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



46, 92.653, 39.479



53, 104.218, 39.752



49, 62.575, 282.542



43, 4.638, 19.208



36, 77.847, 39.565



5, 23.825, 19.884

Previews

White Background



This preview shows how the CIELCh color 46, 92.656, 39.477 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, 92.656, 39.477 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, 92.656, 39.477

Background



This preview shows how black text looks on a background with the CIELCh color 46, 92.656, 39.477.



This preview shows how white text looks on a background with the CIELCh color 46, 92.656, 39.477.

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, 92.656, 39.477

Protanopia

47, 45.009, 95.202

Deuteranopia

47, 53.757, 83.917



Tritanopia
46, 91.561, 40.907

Trichromacy



Original Color
46, 92.656, 39.477

Protanomaly
41, 56.636, 52.854

Deuteranomaly
42, 65.307, 53.387

Tritanomaly
46, 92.251, 40.365

Monochromacy



Original Color
46, 92.656, 39.477

Achromatopsia
28, 0.004, 296.813

Achromatomaly
30, 39.251, 27.269

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 92.656, 39.477 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, 4)` looks like.

```
.text, #text, p{  
    color:rgb(220, 2, 4)  
}
```

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, 4) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 46, 92.656, 39.477 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, 4) }
```

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

```
.border{ border-color:rgb(220, 2, 4) }
```

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, 4) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 46, 92.656, 39.477 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, 4) }
```

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

```
.background{ background-color: rgb(220, 2,  
4) }
```

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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