

Converting Colors

CIELCh(46, 79.160, 46.628)

Have a look what the booklet for
CIELCh(46, 79.160, 46.628) contains.

CIELCh(46, 79.117, 46.633)	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, 79.117, 46.633)

Conversions

Conversions Part 1

Format	Color
Hex	C83A01
RGB	200, 58, 1
RGB Percent	78%, 23%, 0%
CMY	0.2164, 0.7731, 0.9967
CMYK	0.00, 0.71, 1.00, 0.22
HSL	17°, 99%, 39%
HSV	17°, 100%, 78%
XYZ	25.2842, 15.2687, 1.6389
YIQ	93.9600, 102.9290, 12.3770

Conversions

Conversions Part 2

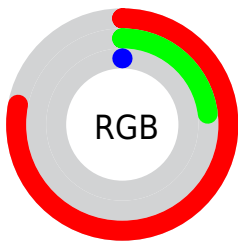
Format	Color
R_{YB}	200, 81, 1
Decimal	13122049
CIE Lab	46.00, 54.33, 57.52
CIE LCh	46, 79.117, 46.633
Yxy	15.2687, 0.5993, 0.3619
Android (android.graphics.Color)	4291312129 (0xFFC83A01)
YUV	93.9600, -45.8293, 92.9971
Hunter-Lab	39.0751, 47.1198, 24.8659

Details

The CIELCh color **46, 79.117, 46.633** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **56, 39.924, 253.649**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 75.065, 47.589**, and **28, 64.854, 38.894** is the 20% darker color. If you saturate the color by 10%, you get **46, 79.412, 46.623**, and if you desaturate by 10%, it is **48, 72.155, 47.466**.

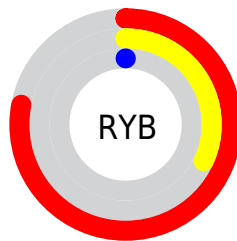
Distribution



Red (78%)

Green (23%)

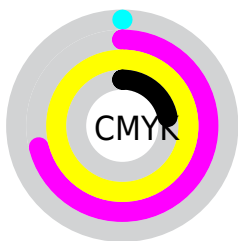
Blue (0%)



Red (78%)

Yellow (32%)

Blue (0%)

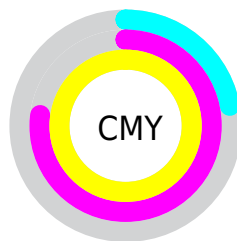


Cyan (0%)

Magenta (71%)

Yellow (100%)

Black (22%)



Cyan (22%)

Magenta (77%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 79.117, 46.633 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, 79.117, 46.633 by changing the saturation by 10% instead.

46, 79.117, 46.633

46, 79.117, 46.633

100, 79.117,
46.633

36, 79.117, 46.633

66, 79.117, 46.633

26, 79.117, 46.633

76, 79.117, 46.633

16, 79.117, 46.633

86, 79.117, 46.633

6, 79.117, 46.633

96, 79.117, 46.633

0, 79.117, 46.633

46, 79.117, 46.633

46, 79.117, 46.633

46, 79.412, 46.623

48, 72.155, 47.466

51, 63.520, 47.741

■ 54, 54.167, 47.715

■ 57, 44.871, 47.687

■ 61, 35.976, 47.768

■ 64, 27.619, 47.982

■ 68, 19.840, 48.319

■ 72, 12.626, 48.754

■ 77, 5.942, 49.240

Harmonies

Complementary

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



46, 79.117, 46.633



56, 39.924, 253.649

Rectangle

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



46, 79.117, 46.633



46, 79.117, 96.633



46, 79.117, 226.633



46, 79.117, 276.633

Sweetspot

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



46, 79.114, 46.635



85, 24.613, 48.286



45, 77.560, 343.707



43, 17.079, 48.132



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, 79.114, 46.635



58, 95.926, 46.168



67, 70.496, 86.377



40, 3.504, 49.249



38, 67.957, 47.099



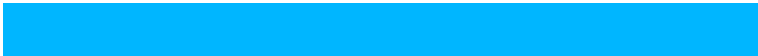
5, 13.632, 37.012

Inverse Universe

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



56, 39.924, 253.649



70, 48.378, 254.642



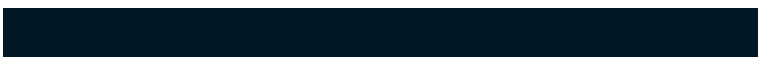
29, 95.691, 301.919



40, 3.328, 230.624



46, 34.219, 253.043



8, 11.286, 242.358

Previews

White Background



This preview shows how the CIELCh color 46, 79.117, 46.633 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, 79.117, 46.633 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, 79.117, 46.633

Background



This preview shows how black text looks on a background with the CIELCh color 46, 79.117, 46.633.



This preview shows how white text looks on a background with the CIELCh color 46, 79.117, 46.633.

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, 79.117, 46.633

Protanopia

46, 47.142, 95.221

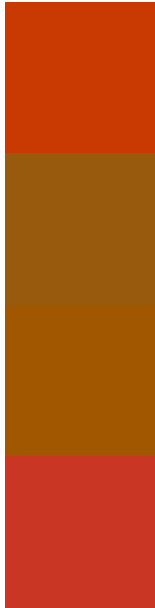
Deuteranopia

46, 53.449, 83.771



Tritanopia
46, 66.684, 30.578

Trichromacy



Original Color
46, 79.117, 46.633

Protanomaly
45, 53.039, 68.263

Deuteranomaly
45, 59.462, 64.434

Tritanomaly
46, 71.985, 38.505

Monochromacy



Original Color
46, 79.117, 46.633

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 28.508, 48.214

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 79.117, 46.633 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(200, 58, 1)` looks like.

```
.text, #text, p{  
    color:rgb(200, 58, 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(200, 58, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 58, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 79.117, 46.633 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(200, 58, 1) }
```

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

```
.border{ border-color:rgb(200, 58, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 58, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 58, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 58, 1);  
box-shadow:4px 4px 4px 4px rgb(200, 58, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 79.117, 46.633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 58, 1) }
```

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

```
.background{ background-color: rgb(200, 58,  
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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