

Converting Colors

CIELCh(46, 81.210, 45.731)

Have a look what the booklet for
CIELCh(46, 81.210, 45.731) contains.

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Color

CIELCh(46, 81.233, 45.704)

Conversions

Conversions Part 1

Format	Color
Hex	CB3600
RGB	203, 54, 0
RGB Percent	80%, 21%, 0%
CMY	0.2051, 0.7893, 1.0000
CMYK	0.00, 0.73, 1.00, 0.21
HSL	16°, 100%, 40%
HSV	16°, 100%, 79%
XYZ	25.8553, 15.2687, 1.5773
YIQ	92.3950, 106.1380, 14.7940

Conversions

Conversions Part 2

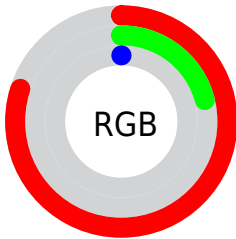
Format	Color
RYB	203, 74, 0
Decimal	13317632
CIELab	46.00, 56.73, 58.14
CIElCh	46, 81.233, 45.704
Yxy	15.2687, 0.6055, 0.3576
Android (android.graphics.Color)	4291507712 (0xFFCB3600)
YUV	92.3950, -45.5507, 97.0006
Hunter-Lab	39.0751, 49.7287, 24.9593

Details

The CIELCh color **46, 81.233, 45.704** 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 **58, 39.269, 249.670**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 75.930, 46.796**, and **28, 65.630, 38.991** is the 20% darker color. If you saturate the color by 10%, you get **46, 81.181, 45.669**, and if you desaturate by 10%, it is **48, 74.137, 46.253**.

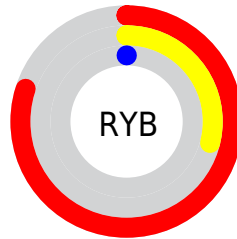
Distribution



Red (80%)

Green (21%)

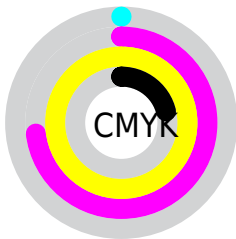
Blue (0%)



Red (80%)

Yellow (29%)

Blue (0%)

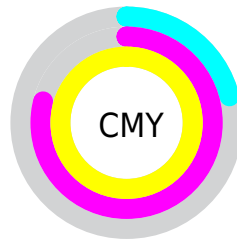


Cyan (0%)

Magenta (73%)

Yellow (100%)

Black (21%)



Cyan (21%)

Magenta (79%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 81.233, 45.704 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, 81.233, 45.704 by changing the saturation by 10% instead.

■ 46, 81.233, 45.704

■ 46, 81.233, 45.704

■ 100, 81.233,
45.704

■ 36, 81.233, 45.704

■ 66, 81.233, 45.704

■ 26, 81.233, 45.704

■ 76, 81.233, 45.704

■ 16, 81.233, 45.704

■ 86, 81.233, 45.704

■ 6, 81.233, 45.704

■ 96, 81.233, 45.704

■ 0, 81.233, 45.704

■ 46, 81.233, 45.704

■ 46, 81.233, 45.704

■ 46, 81.181, 45.669

■ 48, 74.137, 46.253

■ 51, 65.346, 46.307

■ 54, 55.771, 46.059

■ 57, 46.236, 45.829

■ 61, 37.106, 45.732

■ 65, 28.530, 45.790

■ 69, 20.551, 45.991

■ 73, 13.161, 46.305

■ 77, 6.326, 46.684

Harmonies

Complementary

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



46, 81.233, 45.704



58, 39.269, 249.670

Rectangle

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



46, 81.233, 45.704



46, 81.233, 95.704



46, 81.233, 225.704



46, 81.233, 275.704

Sweetspot

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



46, 81.181, 45.669



85, 24.799, 45.981



46, 80.208, 341.465



43, 17.213, 45.881



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, 81.181, 45.669



57, 96.978, 45.271



66, 70.489, 83.271



41, 3.598, 46.707



38, 69.532, 46.110



6, 15.514, 34.799

Inverse Universe

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



58, 39.269, 249.670



72, 46.899, 250.388



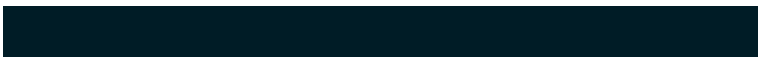
31, 93.348, 300.796



42, 3.410, 227.906



48, 33.651, 248.904



9, 11.860, 237.800

Previews

White Background



This preview shows how the CIELCh color 46, 81.233, 45.704 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, 81.233, 45.704 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, 81.233, 45.704

Background



This preview shows how black text looks on a background with the CIELCh color 46, 81.233, 45.704.



This preview shows how white text looks on a background with the CIELCh color 46, 81.233, 45.704.

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, 81.233, 45.704

Protanopia

46, 46.804, 95.210

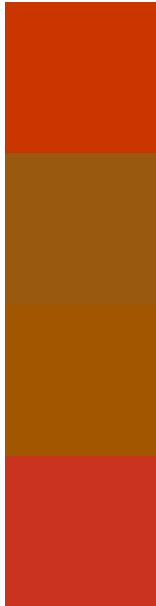
Deuteranopia

46, 53.449, 83.771



Tritanopia
46, 69.366, 31.419

Trichromacy



Original Color
46, 81.233, 45.704

Protanomaly
44, 53.148, 67.095

Deuteranomaly
45, 59.918, 63.593

Tritanomaly
46, 74.419, 38.490

Monochromacy



Original Color
46, 81.233, 45.704

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 29.374, 45.308

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 81.233, 45.704 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(203, 54, 0)` looks like.

```
.text, #text, p{  
    color:rgb(203, 54, 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(203, 54, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 54, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 81.233, 45.704 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(203, 54, 0) }
```

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

```
.border{ border-color:rgb(203, 54, 0) }
```

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

Here you see how a box with a 4 pixel rgb(203, 54, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 54, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 54, 0);  
box-shadow:4px 4px 4px 4px rgb(203, 54, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 81.233, 45.704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 54, 0) }
```

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

```
.background{ background-color: rgb(203, 54,  
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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