

Converting Colors

CIELCh(46, 81.469, 40.582)

Have a look what the booklet for
CIELCh(46, 81.469, 40.582) contains.

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Color

CIELCh(46, 81.405, 40.491)

Conversions

Conversions Part 1

Format	Color
Hex	D02B13
RGB	208, 43, 19
RGB Percent	82%, 17%, 7%
CMY	0.1829, 0.8297, 0.9243
CMYK	0.00, 0.79, 0.91, 0.18
HSL	8°, 83%, 45%
HSV	8°, 91%, 82%
XYZ	27.1152, 15.2687, 2.1477
YIQ	89.5990, 106.0440, 27.5160

Conversions

Conversions Part 2

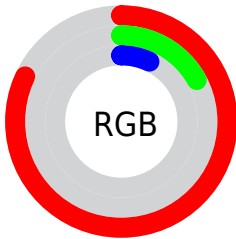
Format	Color
RYB	208, 46, 19
Decimal	13642515
CIELab	46.00, 61.91, 52.86
CIElCh	46, 81.405, 40.491
Yxy	15.2687, 0.6089, 0.3429
Android (android.graphics.Color)	4291832595 (0xFFD02B13)
YUV	89.5990, -34.8053, 103.8377
Hunter-Lab	39.0751, 55.4838, 24.0939

Details

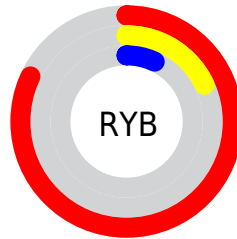
The CIELCh color **46, 81.405, 40.491** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **69, 37.308, 217.979**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 73.968, 41.315**, and **29, 67.550, 39.211** is the 20% darker color. If you saturate the color by 10%, you get **45, 87.654, 41.538**, and if you desaturate by 10%, it is **48, 72.389, 38.811**.

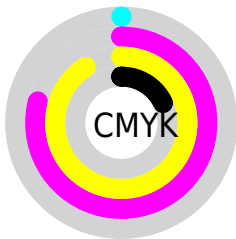
Distribution



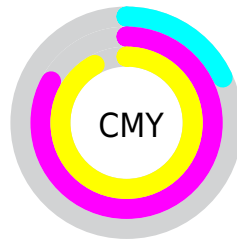
- Red (82%)
- Green (17%)
- Blue (7%)



- Red (82%)
- Yellow (18%)
- Blue (7%)



- Cyan (0%)
- Magenta (79%)
- Yellow (91%)
- Black (18%)



- Cyan (18%)
- Magenta (83%)
- Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 81.405, 40.491 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, 81.405, 40.491 by changing the saturation by 10% instead.

■ 46, 81.405, 40.491

■ 46, 81.405, 40.491

■ 100, 81.405,
40.491

■ 36, 81.405, 40.491

■ 66, 81.405, 40.491

■ 26, 81.405, 40.491

■ 76, 81.405, 40.491

■ 16, 81.405, 40.491

■ 86, 81.405, 40.491

■ 6, 81.405, 40.491

■ 96, 81.405, 40.491

■ 0, 81.405, 40.491

■ 46, 81.405, 40.491

■ 46, 81.405, 40.491

■ 45, 87.654, 41.538

■ 48, 72.389, 38.811

■ 51, 62.239, 36.938

■ 55, 51.923, 35.295

■ 59, 41.889, 33.993

■ 63, 32.359, 33.021

■ 68, 23.441, 32.329

■ 73, 15.169, 31.855

■ 78, 7.534, 31.531

■ 83, 0.496, 30.299

Harmonies

Complementary

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



46, 81.405, 40.491



69, 37.308, 217.979

Rectangle

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



46, 81.405, 40.491



46, 81.405, 90.491



46, 81.405, 220.491



46, 81.405, 270.491

Sweetspot

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



46, 81.402, 40.493



84, 23.916, 32.145



49, 89.290, 333.022



43, 16.348, 32.331



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, 81.402, 40.493



54, 102.362, 41.351



63, 67.850, 73.079



41, 3.971, 31.493



36, 74.440, 41.757



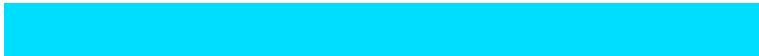
5, 18.528, 26.135

Inverse Universe

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



69, 37.308, 217.979



82, 43.845, 220.401



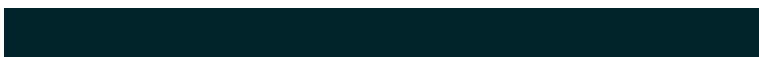
42, 70.135, 290.349



43, 3.737, 211.484



56, 32.167, 219.683



12, 12.483, 214.619

Previews

White Background



This preview shows how the CIELCh color 46, 81.405, 40.491 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, 81.405, 40.491 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, 81.405, 40.491

Background



This preview shows how black text looks on a background with the CIELCh color 46, 81.405, 40.491.



This preview shows how white text looks on a background with the CIELCh color 46, 81.405, 40.491.

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, 81.405, 40.491

Protanopia

46, 42.022, 95.647

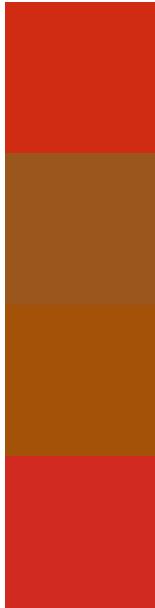
Deuteranopia

46, 53.449, 83.771



Tritanopia
46, 76.326, 34.077

Trichromacy



Original Color
46, 81.405, 40.491

Protanomaly
44, 49.286, 61.115

Deuteranomaly
44, 59.595, 60.004

Tritanomaly
46, 78.353, 36.800

Monochromacy



Original Color
46, 81.405, 40.491

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 29.567, 34.144

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 81.405, 40.491 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(208, 43, 19)` looks like.

```
.text, #text, p{  
    color:rgb(208, 43, 19)  
}
```

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(208, 43, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 43, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 81.405, 40.491 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(208, 43, 19) }
```

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

```
.border{ border-color:rgb(208, 43, 19) }
```

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

Here you see how a box with a 4 pixel rgb(208, 43, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 43, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 43, 19);  
box-shadow:4px 4px 4px 4px rgb(208, 43,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 81.405, 40.491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 43, 19) }
```

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

```
.background{ background-color: rgb(208, 43,  
19) }
```

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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