

Converting Colors

CIELCh(46, 61.468, 58.590)

Have a look what the booklet for
CIELCh(46, 61.468, 58.590) contains.

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Color

CIELCh(46, 61.281, 58.951)

Conversions

Conversions Part 1

Format	Color
Hex	AC550B
RGB	172, 85, 11
RGB Percent	67%, 33%, 4%
CMY	0.3259, 0.6669, 0.9573
CMYK	0.00, 0.51, 0.94, 0.33
HSL	28°, 88%, 36%
HSV	28°, 94%, 67%
XYZ	20.2946, 15.2687, 2.1906
YIQ	102.5770, 75.6060, -4.5700

Conversions

Conversions Part 2

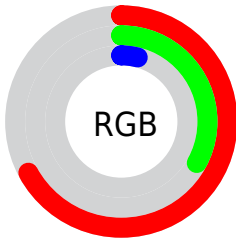
Format	Color
RYB	172, 148, 11
Decimal	11293963
CIELab	46.00, 31.61, 52.50
CIELCh	46, 61.281, 58.951
Yxy	15.2687, 0.5376, 0.4044
Android (android.graphics.Color)	4289484043 (0xFFAC550B)
YUV	102.5770, -45.1475, 60.8840
Hunter-Lab	39.0751, 24.3268, 24.0288

Details

The CIELCh color **46, 61.281, 58.951** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **41, 46.322, 276.698**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 61.277, 59.067**, and **26, 49.373, 49.523** is the 20% darker color. If you saturate the color by 10%, you get **45, 64.492, 57.622**, and if you desaturate by 10%, it is **48, 55.535, 60.941**.

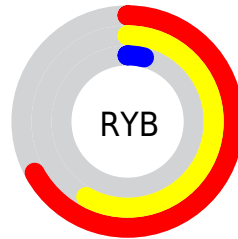
Distribution



Red (67%)

Green (33%)

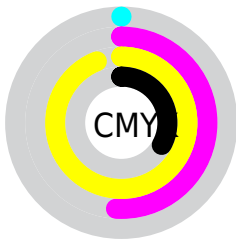
Blue (4%)



Red (67%)

Yellow (58%)

Blue (4%)

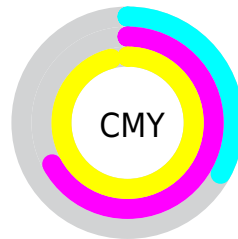


Cyan (0%)

Magenta (51%)

Yellow (94%)

Black (33%)



Cyan (33%)

Magenta (67%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 61.281, 58.951 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, 61.281, 58.951 by changing the saturation by 10% instead.

46, 61.281, 58.951

46, 61.281, 58.951

100, 61.281,
58.951

36, 61.281, 58.951

66, 61.281, 58.951

26, 61.281, 58.951

76, 61.281, 58.951

16, 61.281, 58.951

86, 61.281, 58.951

6, 61.281, 58.951

96, 61.281, 58.951

0, 61.281, 58.951

46, 61.281, 58.951

46, 61.281, 58.951

45, 64.492, 57.622

48, 55.535, 60.941

50, 48.626, 62.404

■ 53, 41.318, 63.637

■ 55, 34.038, 64.790

■ 58, 26.990, 65.926

■ 61, 20.256, 67.065

■ 64, 13.860, 68.208

■ 66, 7.793, 69.340

■ 69, 2.034, 70.356

Harmonies

Complementary

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



46, 61.281, 58.951



41, 46.322, 276.698

Rectangle

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



46, 61.281, 58.951



46, 61.281, 108.951



46, 61.281, 238.951



46, 61.281, 288.951

Sweetspot

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



46, 61.279, 58.953



79, 20.634, 67.655



38, 63.197, 355.051



40, 14.389, 67.177



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46, 61.279, 58.953



58, 79.056, 56.888



66, 68.291, 99.900



35, 3.214, 69.819



39, 58.309, 58.063



4, 6.428, 60.875

Inverse Universe

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



41, 46.322, 276.698



51, 61.165, 280.483



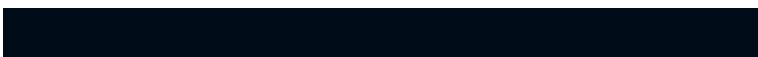
22, 93.726, 304.912



35, 3.128, 252.155



34, 44.247, 279.003



3, 7.142, 260.997

Previews

White Background



This preview shows how the CIELCh color 46, 61.281, 58.951 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, 61.281, 58.951 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, 61.281, 58.951

Background



This preview shows how black text looks on a background with the CIELCh color 46, 61.281, 58.951.



This preview shows how white text looks on a background with the CIELCh color 46, 61.281, 58.951.

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, 61.281, 58.951

Protanopia

46, 48.022, 95.827

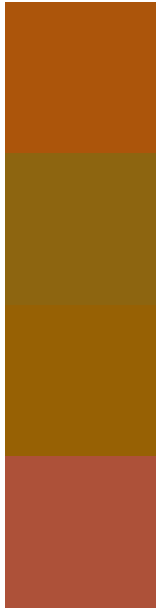
Deuteranopia

46, 53.449, 83.771



Tritanopia
46, 42.435, 22.220

Trichromacy



Original Color
46, 61.281, 58.951

Protanomaly
46, 49.791, 79.801

Deuteranomaly
46, 54.890, 73.526

Tritanomaly
46, 47.832, 41.516

Monochromacy



Original Color
46, 61.281, 58.951

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 22.115, 66.420

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 61.281, 58.951 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(172, 85, 11)` looks like.

```
.text, #text, p{  
    color:rgb(172, 85, 11)  
}
```

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(172, 85, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 85, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 61.281, 58.951 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(172, 85, 11) }
```

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

```
.border{ border-color:rgb(172, 85, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 85, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 85, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 85, 11);  
box-shadow:4px 4px 4px 4px rgb(172, 85,  
11) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 61.281, 58.951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 85, 11) }
```

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

```
.background{ background-color: rgb(172, 85,  
11) }
```

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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