

Converting Colors

CIELCh(46, 48.755, 49.699)

Have a look what the booklet for
CIELCh(46, 48.755, 49.699) contains.

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Color

CIELCh(46, 49.179, 49.492)

Conversions

Conversions Part 1

Format	Color
Hex	AA552F
RGB	170, 85, 47
RGB Percent	67%, 33%, 18%
CMY	0.3330, 0.6664, 0.8154
CMYK	0.00, 0.50, 0.72, 0.33
HSL	19°, 57%, 43%
HSV	19°, 72%, 67%
XYZ	20.3634, 15.2687, 4.5700
YIQ	106.0830, 62.8580, 6.2020

Conversions

Conversions Part 2

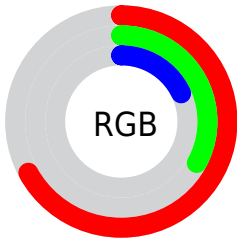
Format	Color
R _Y B	170, 102, 47
Decimal	11162927
CIE Lab	46.00, 31.94, 37.39
CIE LCh	46, 49.179, 49.492
Yxy	15.2687, 0.5065, 0.3798
Android (android.graphics.Color)	4289353007 (0xFFAA552F)
YUV	106.0830, -29.1279, 56.0552
Hunter-Lab	39.0751, 24.6412, 20.4184

Details

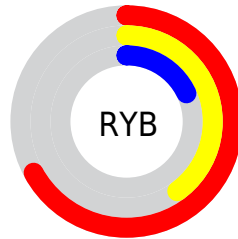
The CIELCh color **46, 49.179, 49.492** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **52, 30.184, 245.494**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 49.154, 49.228**, and **26, 49.116, 49.133** is the 20% darker color. If you saturate the color by 10%, you get **43, 57.202, 49.265**, and if you desaturate by 10%, it is **49, 41.095, 49.657**.

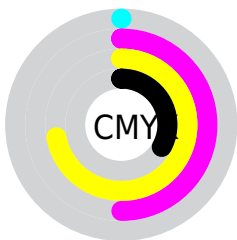
Distribution



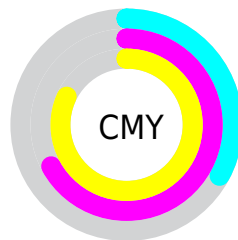
- Red (67%)
- Green (33%)
- Blue (18%)



- Red (67%)
- Yellow (40%)
- Blue (18%)



- Cyan (0%)
- Magenta (50%)
- Yellow (72%)
- Black (33%)



- Cyan (33%)
- Magenta (67%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 49.179, 49.492 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, 49.179, 49.492 by changing the saturation by 10% instead.

■ 46, 49.179, 49.492

■ 46, 49.179, 49.492

■ 100, 49.179,
49.492

■ 36, 49.179, 49.492

■ 66, 49.179, 49.492

■ 26, 49.179, 49.492

■ 76, 49.179, 49.492

■ 16, 49.179, 49.492

■ 86, 49.179, 49.492

■ 6, 49.179, 49.492

■ 96, 49.179, 49.492

■ 0, 49.179, 49.492

■ 46, 49.179, 49.492

■ 46, 49.179, 49.492

■ 43, 57.202, 49.265

■ 49, 41.095, 49.657

■ 41, 64.418, 48.637

■ 52, 33.305, 49.887

40, 69.310, 48.074

55, 25.951, 50.223

58, 19.080, 50.665

62, 12.688, 51.195

65, 6.750, 51.779

69, 1.227, 52.150

72, 3.923, 233.329

76, 8.741, 233.992

Harmonies

Complementary

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



46, 49.179, 49.492



52, 30.184, 245.494

Rectangle

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



46, 49.179, 49.492



46, 49.179, 99.492



46, 49.179, 229.492



46, 49.179, 279.492

Sweetspot

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



46, 49.177, 49.495



79, 15.523, 51.191



42, 61.265, 340.467



41, 10.618, 51.045



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, 49.177, 49.495



55, 75.442, 48.952



61, 52.968, 91.759



34, 3.038, 51.955



34, 62.262, 48.454



3, 5.422, 47.350

Inverse Universe

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



52, 30.184, 245.494



63, 41.610, 252.030



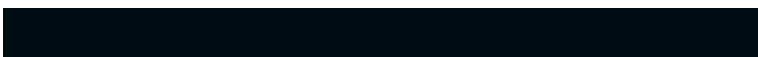
34, 61.069, 294.496



34, 2.896, 233.480



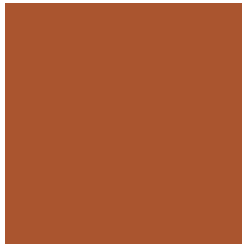
41, 32.813, 256.791



3, 5.429, 242.026

Previews

White Background



This preview shows how the CIELCh color 46, 49.179, 49.492 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, 49.179, 49.492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

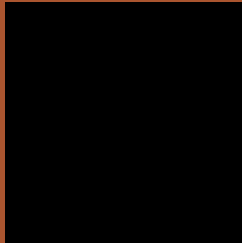
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 49.179, 49.492

Background



This preview shows how black text looks on a background with the CIELCh color 46, 49.179, 49.492.



This preview shows how white text looks on a background with the CIELCh color 46, 49.179, 49.492.

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, 49.179, 49.492

Protanopia

46, 32.106, 96.329

Deuteranopia

46, 39.170, 81.394



Tritanopia
46, 40.567, 21.646

Trichromacy



Original Color
46, 49.179, 49.492

Protanomaly
46, 34.667, 73.758

Deuteranomaly
46, 40.832, 67.588

Tritanomaly
46, 42.388, 32.937

Monochromacy



Original Color
46, 49.179, 49.492

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 16.177, 49.156

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 49.179, 49.492 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(170, 85, 47)` looks like.

```
.text, #text, p{  
    color:rgb(170, 85, 47)  
}
```

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(170, 85, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 85, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 49.179, 49.492 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(170, 85, 47) }
```

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

```
.border{ border-color:rgb(170, 85, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 85, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 85, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 85, 47);  
box-shadow:4px 4px 4px 4px rgb(170, 85,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 49.179, 49.492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 85, 47) }
```

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

```
.background{ background-color: rgb(170, 85,  
47) }
```

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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