

Converting Colors

CIELCh(46, 51.330, 46.780)

Have a look what the booklet for
CIELCh(46, 51.330, 46.780) contains.

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Color

CIELCh(46, 51.429, 46.902)

Conversions

Conversions Part 1

Format	Color
Hex	AE522F
RGB	174, 82, 47
RGB Percent	68%, 32%, 18%
CMY	0.3172, 0.6780, 0.8153
CMYK	0.00, 0.53, 0.73, 0.32
HSL	17°, 57%, 43%
HSV	17°, 73%, 68%
XYZ	21.0227, 15.2687, 4.5383
YIQ	105.5180, 66.0670, 8.6190

Conversions

Conversions Part 2

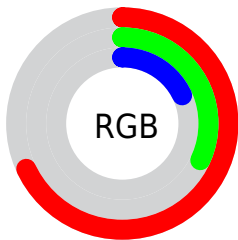
Format	Color
R_{YB}	174, 95, 47
Decimal	11424303
CIE _{Lab}	46.00, 35.14, 37.55
CIE _{LCh}	46, 51.429, 46.902
Yxy	15.2687, 0.5149, 0.3740
Android (android.graphics.Color)	4289614383 (0xFFAE522F)
YUV	105.5180, -28.8494, 60.0587
Hunter-Lab	39.0751, 27.6527, 20.4665

Details

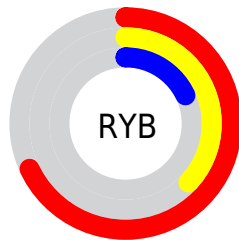
The CIELCh color **46, 51.429, 46.902** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **54, 30.205, 240.118**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 51.225, 46.541**, and **26, 51.667, 46.603** is the 20% darker color. If you saturate the color by 10%, you get **43, 59.768, 47.009**, and if you desaturate by 10%, it is **49, 43.007, 46.759**.

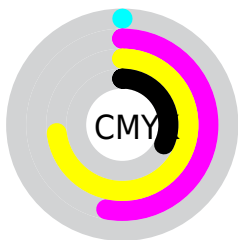
Distribution



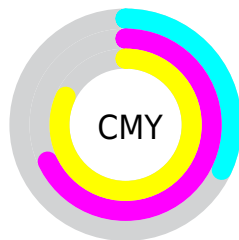
- Red (68%)
- Green (32%)
- Blue (18%)



- Red (68%)
- Yellow (37%)
- Blue (18%)



- Cyan (0%)
- Magenta (53%)
- Yellow (73%)
- Black (32%)





















- Cyan (32%)
- Magenta (68%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 51.429, 46.902 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, 51.429, 46.902 by changing the saturation by 10% instead.

 46, 51.429, 46.902	 46, 51.429, 46.902
 100, 51.429, 46.902	 36, 51.429, 46.902
 66, 51.429, 46.902	 26, 51.429, 46.902
 76, 51.429, 46.902	 16, 51.429, 46.902
 86, 51.429, 46.902	 6, 51.429, 46.902
 96, 51.429, 46.902	 0, 51.429, 46.902

 46, 51.429, 46.902	 46, 51.429, 46.902
 43, 59.768, 47.009	 49, 43.007, 46.759
 41, 67.202, 46.703	 52, 34.886, 46.715

40, 71.824, 46.447

55, 27.225, 46.812

59, 20.078, 47.044

63, 13.444, 47.387

66, 7.298, 47.806

70, 1.600, 48.097

74, 3.693, 229.083

78, 8.627, 229.611

Harmonies

Complementary

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



46, 51.429, 46.902



54, 30.205, 240.118

Rectangle

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



46, 51.429, 46.902



46, 51.429, 96.902



46, 51.429, 226.902



46, 51.429, 276.902

Sweetspot

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



46, 51.427, 46.905



80, 15.948, 47.409



43, 64.071, 338.798



41, 10.915, 47.308



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



46, 51.427, 46.905



55, 79.053, 46.889



61, 53.204, 89.213



35, 3.134, 47.962



34, 64.179, 46.790



3, 6.532, 42.388

Inverse Universe

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



54, 30.205, 240.118



66, 41.025, 246.452



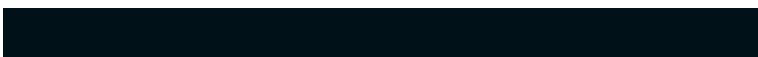
36, 60.052, 293.022



35, 2.977, 229.230



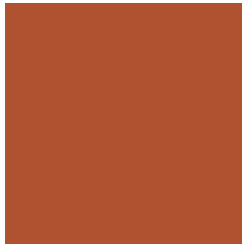
43, 31.677, 250.570



4, 6.412, 239.333

Previews

White Background



This preview shows how the CIELCh color 46, 51.429, 46.902 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 CIE LCh color 46, 51.429, 46.902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

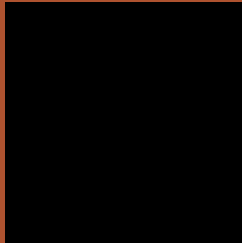
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 51.429, 46.902

Background



This preview shows how black text looks on a background with the CIELCh color 46, 51.429, 46.902.



This preview shows how white text looks on a background with the CIELCh color 46, 51.429, 46.902.

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, 51.429, 46.902

Protanopia

46, 31.577, 96.262

Deuteranopia

46, 39.396, 80.758



Tritanopia
46, 43.800, 22.610

Trichromacy



Original Color
46, 51.429, 46.902

Protanomaly
46, 34.364, 71.659

Deuteranomaly
46, 41.491, 65.744

Tritanomaly
46, 45.544, 32.301

Monochromacy



Original Color
46, 51.429, 46.902

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 17.144, 45.454

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 51.429, 46.902 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(174, 82, 47)` looks like.

```
.text, #text, p{  
    color:rgb(174, 82, 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(174, 82, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 82, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 51.429, 46.902 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(174, 82, 47) }
```

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

```
.border{ border-color:rgb(174, 82, 47) }
```

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

Here you see how a box with a 4 pixel rgb(174, 82, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 82, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 82, 47);  
box-shadow:4px 4px 4px 4px rgb(174, 82,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 51.429, 46.902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 82, 47) }
```

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

```
.background{ background-color: rgb(174, 82,  
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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