

Converting Colors

CIELCh(46, 62.754, 62.042)

Have a look what the booklet for
CIELCh(46, 62.754, 62.042) contains.

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Color

CIELCh(46, 62.546, 61.819)

Conversions

Conversions Part 1

Format	Color
Hex	AA5700
RGB	170, 87, 0
RGB Percent	67%, 34%, 0%
CMY	0.3348, 0.6600, 1.0000
CMYK	0.00, 0.49, 1.00, 0.33
HSL	31°, 100%, 33%
HSV	31°, 100%, 67%
XYZ	19.8760, 15.2687, 1.8879
YIQ	101.8990, 77.3950, -9.4610

Conversions

Conversions Part 2

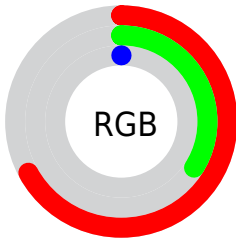
Format	Color
R _Y B	162, 170, 0
Decimal	11163392
CIE Lab	46.00, 29.54, 55.13
CIE LCh	46, 62.546, 61.819
Yxy	15.2687, 0.5367, 0.4123
Android (android.graphics.Color)	4289353472 (0xFFAA5700)
YUV	101.8990, -50.2362, 59.7246
Hunter-Lab	39.0751, 22.4145, 24.4881

Details

The CIELCh color **46, 62.546, 61.819** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **36, 54.060, 284.838**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 62.293, 61.830**, and **26, 48.109, 51.033** is the 20% darker color. If you saturate the color by 10%, you get **46, 62.455, 61.772**, and if you desaturate by 10%, it is **48, 57.919, 64.125**.

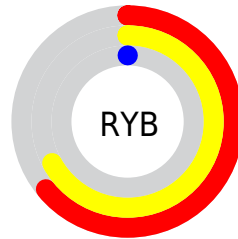
Distribution



Red (67%)

Green (34%)

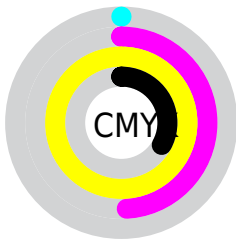
Blue (0%)



Red (64%)

Yellow (67%)

Blue (0%)

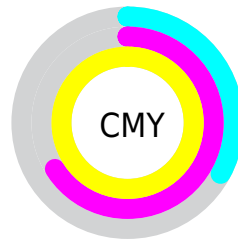


Cyan (0%)

Magenta (49%)

Yellow (100%)

Black (33%)



Cyan (33%)

Magenta (66%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 62.546, 61.819 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, 62.546, 61.819 by changing the saturation by 10% instead.

46, 62.546, 61.819

46, 62.546, 61.819

100, 62.546,
61.819

36, 62.546, 61.819

66, 62.546, 61.819

26, 62.546, 61.819

76, 62.546, 61.819

16, 62.546, 61.819

86, 62.546, 61.819

6, 62.546, 61.819

96, 62.546, 61.819

0, 62.546, 61.819

46, 62.546, 61.819

46, 62.546, 61.819

46, 62.455, 61.772

48, 57.919, 64.125

50, 52.184, 66.086

■ 52, 45.491, 67.654

■ 54, 38.468, 69.041

■ 57, 31.462, 70.354

■ 59, 24.639, 71.634

■ 62, 18.072, 72.898

■ 64, 11.781, 74.142

■ 67, 5.760, 75.349

Harmonies

Complementary

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



46, 62.546, 61.819



36, 54.060, 284.838

Rectangle

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



46, 62.546, 61.819



46, 62.546, 111.819



46, 62.546, 241.819



46, 62.546, 291.819

Sweetspot

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



46, 62.455, 61.772



78, 22.300, 72.832



36, 62.474, 1.702



40, 15.329, 72.324



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



46, 62.455, 61.772



59, 75.893, 61.056



67, 71.403, 102.852



34, 3.234, 75.433



40, 56.359, 62.227



3, 5.551, 68.647

Inverse Universe

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



36, 54.060, 284.838



47, 66.645, 285.682



20, 98.595, 306.287



34, 3.171, 257.867



31, 48.335, 284.293



2, 6.156, 263.489

Previews

White Background



This preview shows how the CIELCh color 46, 62.546, 61.819 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, 62.546, 61.819 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, 62.546, 61.819

Background



This preview shows how black text looks on a background with the CIELCh color 46, 62.546, 61.819.



This preview shows how white text looks on a background with the CIELCh color 46, 62.546, 61.819.

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, 62.546, 61.819

Protanopia

46, 49.242, 95.269

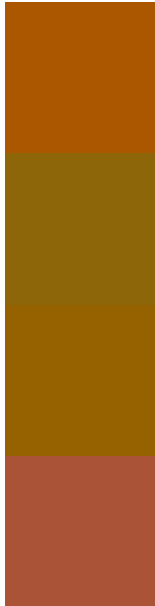
Deuteranopia

46, 53.449, 83.771



Tritanopia
46, 40.567, 21.646

Trichromacy



Original Color
46, 62.546, 61.819

Protanomaly
46, 51.379, 80.928

Deuteranomaly
46, 55.538, 74.911

Tritanomaly
46, 47.174, 44.134

Monochromacy



Original Color
46, 62.546, 61.819

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 24.040, 69.555

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 62.546, 61.819 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, 87, 0)` looks like.

```
.text, #text, p{  
    color:rgb(170, 87, 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(170, 87, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 87, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 62.546, 61.819 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, 87, 0) }
```

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

```
.border{ border-color:rgb(170, 87, 0) }
```

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

Here you see how a box with a 4 pixel rgb(170, 87, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 87, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 87, 0);  
box-shadow:4px 4px 4px 4px rgb(170, 87, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 62.546, 61.819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 87, 0) }
```

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

```
.background{ background-color: rgb(170, 87,  
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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