

Converting Colors

CIELCh(61, 50.474, 66.770)

Have a look what the booklet for
CIELCh(61, 50.474, 66.770) contains.

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Color

CIELCh(61, 50.427, 66.788)

Conversions

Conversions Part 1

Format	Color
Hex	C88440
RGB	200, 132, 64
RGB Percent	78%, 52%, 25%
CMY	0.2147, 0.4815, 0.7482
CMYK	0.00, 0.34, 0.68, 0.21
HSL	30°, 55%, 52%
HSV	30°, 68%, 79%
XYZ	33.0987, 29.2481, 8.7824
YIQ	144.5800, 62.3560, -6.7320

Conversions

Conversions Part 2

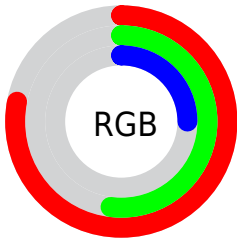
Format	Color
RYB	200, 200, 64
Decimal	13141056
CIELab	61.00, 19.88, 46.35
CIELCh	61, 50.427, 66.788
Yxy	29.2481, 0.4653, 0.4112
Android (android.graphics.Color)	4291331136 (0xFFC88440)
YUV	144.5800, -39.7259, 48.6033
Hunter-Lab	54.0815, 14.6018, 28.2288

Details

The CIELCh color **61, 50.427, 66.788** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **54, 41.596, 270.681**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 49.011, 68.738**, and **41, 50.674, 66.475** is the 20% darker color. If you saturate the color by 10%, you get **58, 58.246, 65.275**, and if you desaturate by 10%, it is **64, 42.322, 68.146**.

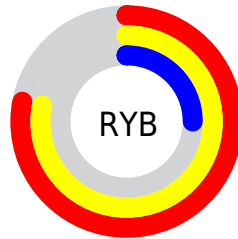
Distribution



Red (78%)

Green (52%)

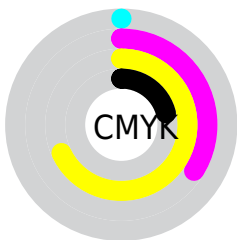
Blue (25%)



Red (78%)

Yellow (78%)

Blue (25%)

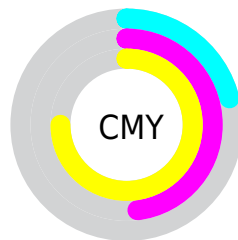


Cyan (0%)

Magenta (34%)

Yellow (68%)

Black (21%)



Cyan (21%)

Magenta (48%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 50.427, 66.788 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 61, 50.427, 66.788 by changing the saturation by 10% instead.

61, 50.427, 66.788

61, 50.427, 66.788

100, 50.427,
66.788

51, 50.427, 66.788

81, 50.427, 66.788

41, 50.427, 66.788

91, 50.427, 66.788

31, 50.427, 66.788

21, 50.427, 66.788

11, 50.427, 66.788

1, 50.427, 66.788

0, 50.427, 66.788

61, 50.427, 66.788

61, 50.427, 66.788

58, 58.246, 65.275

64, 42.322, 68.146

56, 65.092, 63.386

66, 34.300, 69.436

54, 70.137, 60.861

69, 26.530, 70.703

53, 71.138, 60.363

72, 19.080, 71.957

75, 11.963, 73.194

78, 5.170, 74.384

81, 1.325, 255.940

84, 7.549, 256.887

88, 13.530,
258.004

Harmonies

Complementary

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



61, 50.427, 66.788



54, 41.596, 270.681

Rectangle

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



61, 50.427, 66.788



61, 50.427, 116.788



61, 50.427, 246.788



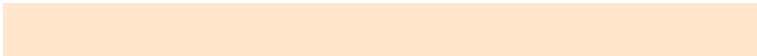
61, 50.427, 296.788

Sweetspot

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



61, 50.426, 66.792



93, 16.322, 72.905



49, 60.487, 351.065



48, 11.211, 72.554



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



61, 50.426, 66.792



72, 74.390, 64.352



78, 65.820, 103.247



40, 3.687, 74.219



44, 60.931, 60.970



7, 12.953, 57.456

Inverse Universe

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



54, 41.596, 270.681



61, 60.504, 276.826



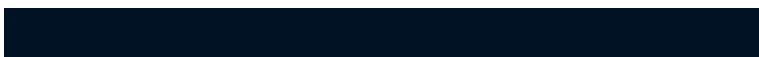
36, 81.122, 300.812



40, 3.608, 256.688



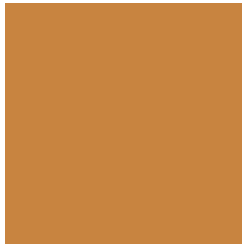
35, 51.237, 283.608



5, 14.019, 270.305

Previews

White Background



This preview shows how the CIELCh color 61, 50.427, 66.788 looks on a white 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

Black Background



This preview shows how the CIELCh color 61, 50.427, 66.788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

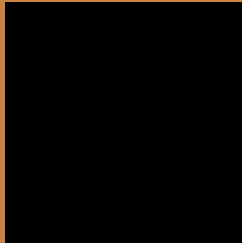
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 61, 50.427, 66.788

Background



This preview shows how black text looks on a background with the CIELCh color 61, 50.427, 66.788.



This preview shows how white text looks on a background with the CIELCh color 61, 50.427, 66.788.

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

61, 50.427, 66.788

Protanopia

61, 43.410, 95.653

Deuteranopia

61, 47.445, 80.320



Tritanopia
61, 33.204, 14.675

Trichromacy



Original Color
61, 50.427, 66.788

Protanomaly
61, 44.350, 84.085

Deuteranomaly
61, 47.991, 75.122

Tritanomaly
61, 35.029, 39.859

Monochromacy



Original Color
61, 50.427, 66.788

Achromatopsia
60, 0.008, 296.813

Achromatomaly
60, 17.298, 70.725

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 50.427, 66.788 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(200, 132, 64)` looks like.

```
.text, #text, p{  
    color:rgb(200, 132, 64)  
}
```

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(200, 132, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 132, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 50.427, 66.788 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(200, 132, 64) }
```

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

```
.border{ border-color:rgb(200, 132, 64) }
```

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

Here you see how a box with a 4 pixel rgb(200, 132, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 132, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 132, 64);  
box-shadow:4px 4px 4px 4px rgb(200, 132,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 50.427, 66.788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 132, 64) }
```

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

```
.background{ background-color: rgb(200,  
132, 64) }
```

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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