

Converting Colors

CIELCh(60, 46.979, 65.377)

Have a look what the booklet for
CIELCh(60, 46.979, 65.377) contains.

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Color

CIELCh(60, 46.979, 65.377)

Conversions

Conversions Part 1

Format	Color
Hex	C48245
RGB	196, 130, 69
RGB Percent	77%, 51%, 27%
CMY	0.2315, 0.4902, 0.7295
CMYK	0.00, 0.34, 0.65, 0.23
HSL	29°, 52%, 52%
HSV	29°, 65%, 77%
XYZ	31.8139, 28.1233, 9.3790
YIQ	142.7800, 58.9170, -4.9790

Conversions

Conversions Part 2

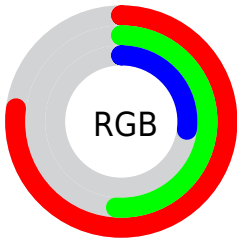
Format	Color
RYB	196, 186, 69
Decimal	12878405
CIELab	60.00, 19.57, 42.71
CIELCh	60, 46.979, 65.377
Yxy	28.1233, 0.4590, 0.4057
Android (android.graphics.Color)	4291068485 (0xFFC48245)
YUV	142.7800, -36.3735, 46.6739
Hunter-Lab	53.0314, 14.2782, 26.6362

Details

The CIELCh color **60, 46.979, 65.377** 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 **55, 37.994, 267.292**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 46.785, 65.745**, and **40, 47.007, 65.125** is the 20% darker color. If you saturate the color by 10%, you get **57, 54.937, 64.013**, and if you desaturate by 10%, it is **63, 38.938, 66.637**.

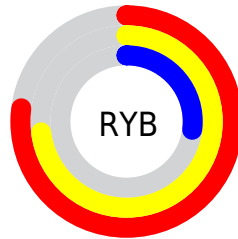
Distribution



Red (77%)

Green (51%)

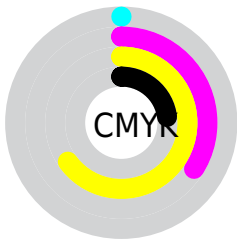
Blue (27%)



Red (77%)

Yellow (73%)

Blue (27%)

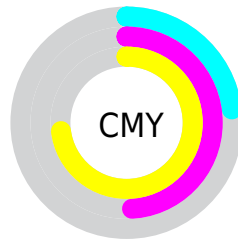


Cyan (0%)

Magenta (34%)

Yellow (65%)

Black (23%)



Cyan (23%)

Magenta (49%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 46.979, 65.377 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 60, 46.979, 65.377 by changing the saturation by 10% instead.

60, 46.979, 65.377

60, 46.979, 65.377

100, 46.979,
65.377

50, 46.979, 65.377

80, 46.979, 65.377

40, 46.979, 65.377

90, 46.979, 65.377

30, 46.979, 65.377

20, 46.979, 65.377

10, 46.979, 65.377

0, 46.979, 65.377

60, 46.979, 65.377

60, 46.979, 65.377

57, 54.937, 64.013

63, 38.938, 66.637

55, 62.259, 62.362

66, 31.089, 67.856

53, 68.025, 60.106

68, 23.550, 69.067

52, 70.579, 58.837

71, 16.361, 70.273

75, 9.521, 71.464

78, 3.010, 72.572

81, 3.200, 253.988

84, 9.140, 255.056

87, 14.839,
256.149

Harmonies

Complementary

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



60, 46.979, 65.377



55, 37.994, 267.292

Rectangle

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



60, 46.979, 65.377



60, 46.979, 115.377



60, 46.979, 245.377



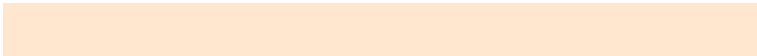
60, 46.979, 295.377

Sweetspot

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



60, 46.978, 65.381



93, 15.307, 70.931



49, 57.894, 349.333



48, 10.612, 70.584



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



60, 46.978, 65.381



72, 71.077, 63.332



76, 61.526, 102.641



39, 3.565, 72.092



43, 60.704, 59.439



6, 11.467, 56.029

Inverse Universe

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



55, 37.994, 267.292



64, 55.782, 272.924



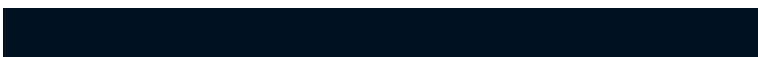
38, 74.385, 299.522



39, 3.478, 254.513



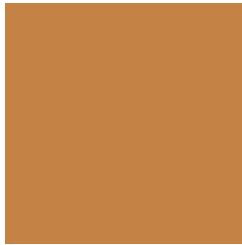
36, 48.639, 281.538



5, 12.553, 267.697

Previews

White Background



This preview shows how the CIELCh color 60, 46.979, 65.377 looks on a white background.

Color Contrast Check

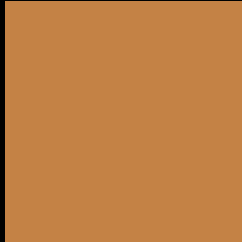
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 60, 46.979, 65.377 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 60, 46.979, 65.377

Background



This preview shows how black text looks on a background with the CIELCh color 60, 46.979, 65.377.



This preview shows how white text looks on a background with the CIELCh color 60, 46.979, 65.377.

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

60, 46.979, 65.377

Protanopia

60, 39.486, 95.772

Deuteranopia

60, 43.902, 79.952



Tritanopia
60, 32.057, 14.240

Trichromacy



Original Color
60, 46.979, 65.377

Protanomaly
60, 40.727, 83.944

Deuteranomaly
60, 44.451, 74.322

Tritanomaly
60, 33.778, 38.624

Monochromacy



Original Color
60, 46.979, 65.377

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 16.158, 69.664

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 46.979, 65.377 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(196, 130, 69)` looks like.

```
.text, #text, p{  
    color:rgb(196, 130, 69)  
}
```

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(196, 130, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 130, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 46.979, 65.377 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(196, 130, 69) }
```

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

```
.border{ border-color:rgb(196, 130, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 130, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 130, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 130, 69);  
box-shadow:4px 4px 4px 4px rgb(196, 130,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 46.979, 65.377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 130, 69) }
```

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

```
.background{ background-color: rgb(196,  
130, 69) }
```

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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