

Converting Colors

CIELCh(60, 47.988, 63.969)

Have a look what the booklet for
CIELCh(60, 47.988, 63.969) contains.

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Color

CIELCh(60, 48.056, 64.211)

Conversions

Conversions Part 1

Format	Color
Hex	C68144
RGB	198, 129, 68
RGB Percent	78%, 51%, 27%
CMY	0.2235, 0.4941, 0.7333
CMYK	0.00, 0.35, 0.66, 0.22
HSL	28°, 53%, 52%
HSV	28°, 66%, 78%
XYZ	32.1819, 28.1233, 9.2009
YIQ	142.6770, 60.7050, -4.3430

Conversions

Conversions Part 2

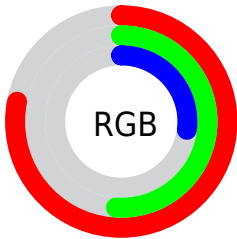
Format	Color
R_{YB}	198, 183, 68
Decimal	13009220
CIE _{Lab}	60.00, 20.91, 43.27
CIE _{LCh}	60, 48.056, 64.211
Yxy	28.1233, 0.4630, 0.4046
Android (android.graphics.Color)	4291199300 (0xFFC68144)
YUV	142.6770, -36.8158, 48.5183
Hunter-Lab	53.0314, 15.5170, 26.8352

Details

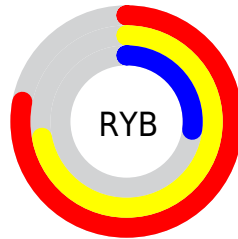
The CIELCh color **60, 48.056, 64.211** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **55, 38.164, 266.305**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 47.151, 65.356**, and **40, 48.114, 63.824** is the 20% darker color. If you saturate the color by 10%, you get **57, 56.128, 62.880**, and if you desaturate by 10%, it is **63, 39.892, 65.433**.

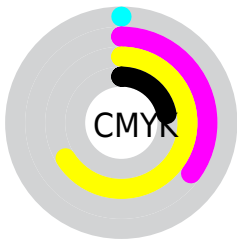
Distribution



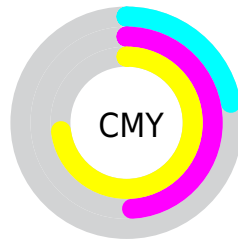
- Red (78%)
- Green (51%)
- Blue (27%)



- Red (78%)
- Yellow (72%)
- Blue (27%)



- Cyan (0%)
- Magenta (35%)
- Yellow (66%)
- Black (22%)



- Cyan (22%)
- Magenta (49%)
- Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 48.056, 64.211 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, 48.056, 64.211 by changing the saturation by 10% instead.

 60, 48.056, 64.211

 60, 48.056, 64.211

 100, 48.056,
64.211

 50, 48.056, 64.211

 80, 48.056, 64.211

 40, 48.056, 64.211

 90, 48.056, 64.211

 30, 48.056, 64.211

 20, 48.056, 64.211

 10, 48.056, 64.211

 0, 48.056, 64.211

 60, 48.056, 64.211

 60, 48.056, 64.211

 57, 56.128, 62.880

 63, 39.892, 65.433

 55, 63.522, 61.241

 66, 31.930, 66.616

53, 69.282, 58.962

69, 24.293, 67.796

52, 71.498, 57.937

72, 17.023, 68.976

75, 10.119, 70.146

78, 3.561, 71.252

81, 2.682, 252.666

85, 8.642, 253.700

88, 14.349,
254.785

Harmonies

Complementary

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



60, 48.056, 64.211



55, 38.164, 266.305

Rectangle

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



60, 48.056, 64.211



60, 48.056, 114.211



60, 48.056, 244.211



60, 48.056, 294.211

Sweetspot

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



60, 48.055, 64.215



92, 16.068, 69.605



49, 58.942, 349.500



48, 11.045, 69.270



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, 48.055, 64.215



71, 72.120, 62.192



77, 62.687, 102.570



40, 3.619, 70.859



43, 61.733, 58.515



7, 12.960, 53.851

Inverse Universe

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



55, 38.164, 266.305



64, 55.393, 272.076



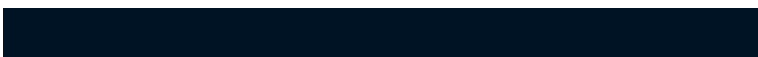
38, 76.095, 299.731



40, 3.525, 253.261



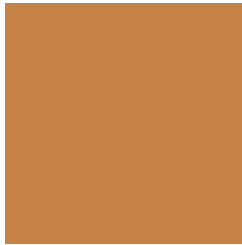
37, 48.175, 280.406



5, 13.527, 267.491

Previews

White Background



This preview shows how the CIELCh color 60, 48.056, 64.211 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, 48.056, 64.211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

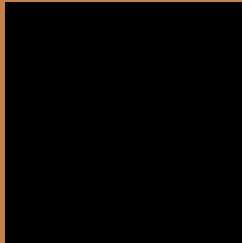
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 48.056, 64.211

Background



This preview shows how black text looks on a background with the CIELCh color 60, 48.056, 64.211.



This preview shows how white text looks on a background with the CIELCh color 60, 48.056, 64.211.

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, 48.056, 64.211

Protanopia

60, 39.985, 95.826

Deuteranopia

60, 44.364, 80.149



Tritanopia
60, 33.338, 14.769

Trichromacy



Original Color
60, 48.056, 64.211

Protanomaly
60, 41.163, 82.729

Deuteranomaly
60, 45.171, 74.095

Tritanomaly
60, 35.123, 38.144

Monochromacy



Original Color
60, 48.056, 64.211

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 16.441, 68.521

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 48.056, 64.211 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(198, 129, 68)` looks like.

```
.text, #text, p{  
    color:rgb(198, 129, 68)  
}
```

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(198, 129, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 129, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 48.056, 64.211 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(198, 129, 68) }
```

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

```
.border{ border-color:rgb(198, 129, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 129, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 129, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 129, 68);  
box-shadow:4px 4px 4px 4px rgb(198, 129,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 48.056, 64.211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 129, 68) }
```

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

```
.background{ background-color: rgb(198,  
129, 68) }
```

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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