

Converting Colors

CIELCh(66, 63.058, 78.545)

Have a look what the booklet for
CIELCh(66, 63.058, 78.545) contains.

CIELCh(66, 63.070, 78.614)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(66, 63.070, 78.614)

Conversions

Conversions Part 1

Format	Color
Hex	D09628
RGB	208, 150, 40
RGB Percent	82%, 59%, 16%
CMY	0.1848, 0.4122, 0.8436
CMYK	0.00, 0.28, 0.81, 0.18
HSL	39°, 68%, 49%
HSV	39°, 81%, 82%
XYZ	37.2489, 35.3238, 6.8517
YIQ	154.8020, 69.8780, -21.9140

Conversions

Conversions Part 2

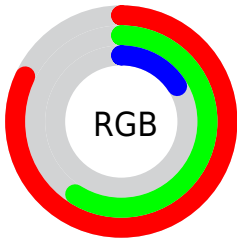
Format	Color
R_{YB}	129, 208, 40
Decimal	13669928
CIE _{Lab}	66.00, 12.45, 61.83
CIE _{LCh}	66, 63.070, 78.614
Yxy	35.3238, 0.4690, 0.4447
Android (android.graphics.Color)	4291860008 (0xFFD09628)
YUV	154.8020, -56.5974, 46.6546
Hunter-Lab	59.4338, 7.8619, 34.7685

Details

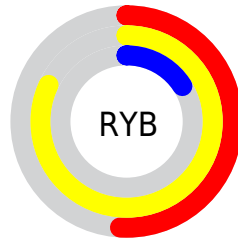
The CIELCh color **66, 63.070, 78.614** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle washed orange. A complement of this color would be **44, 65.757, 289.236**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 60.150, 83.735**, and **46, 55.297, 75.959** is the 20% darker color. If you saturate the color by 10%, you get **64, 67.987, 76.540**, and if you desaturate by 10%, it is **68, 56.385, 80.362**.

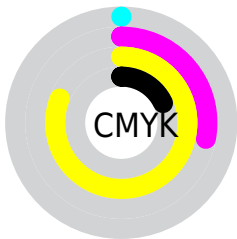
Distribution



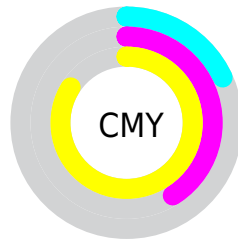
- Red (82%)
- Green (59%)
- Blue (16%)



- Red (51%)
- Yellow (82%)
- Blue (16%)



- Cyan (0%)
- Magenta (28%)
- Yellow (81%)
- Black (18%)



- Cyan (18%)
- Magenta (41%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 63.070, 78.614 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 66, 63.070, 78.614 by changing the saturation by 10% instead.

66, 63.070, 78.614

66, 63.070, 78.614

100, 63.070,
78.614

56, 63.070, 78.614

86, 63.070, 78.614

46, 63.070, 78.614

96, 63.070, 78.614

36, 63.070, 78.614

26, 63.070, 78.614

16, 63.070, 78.614

6, 63.070, 78.614

0, 63.070, 78.614

66, 63.070, 78.614

66, 63.070, 78.614

64, 67.987, 76.540

68, 56.385, 80.362

63, 70.718, 74.274

70, 48.722, 81.929

72, 40.624, 83.400

74, 32.406, 84.814

76, 24.234, 86.185

79, 16.191, 87.514

81, 8.313, 88.793

83, 0.610, 89.652

86, 6.920, 271.310

Harmonies

Complementary

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



66, 63.070, 78.614



44, 65.757, 289.236

Rectangle

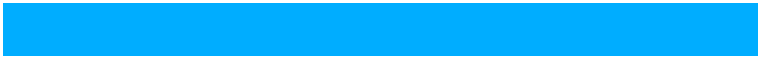
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66, 63.070, 78.614



66, 63.070, 128.614



66, 63.070, 258.614



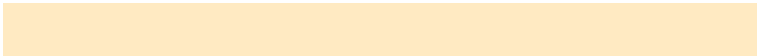
66, 63.070, 308.614

Sweetspot

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



66, 63.069, 78.617



93, 22.123, 87.058



47, 66.814, 7.753



49, 15.258, 86.579



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



66, 63.069, 78.617



76, 81.712, 74.687



79, 77.924, 111.308



43, 4.375, 88.966



51, 60.439, 74.754



11, 16.646, 77.331

Inverse Universe

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



44, 65.757, 289.236



46, 94.845, 295.628



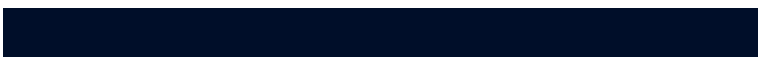
32, 99.731, 305.658



41, 4.369, 271.440



29, 69.800, 295.666



4, 19.474, 282.569

Previews

White Background



This preview shows how the CIELCh color 66, 63.070, 78.614 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 66, 63.070, 78.614 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 ✓ Pass

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

CIELCh 66, 63.070, 78.614

Background



This preview shows how black text looks on a background with the CIELCh color 66, 63.070, 78.614.



This preview shows how white text looks on a background with the CIELCh color 66, 63.070, 78.614.

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

66, 63.070, 78.614

Protanopia

66, 60.002, 95.496

Deuteranopia

66, 62.377, 81.981



Tritanopia
66, 30.154, 12.226

Trichromacy



Original Color
66, 63.070, 78.614

Protanomaly
66, 60.330, 89.245

Deuteranomaly
66, 62.644, 80.700

Tritanomaly
66, 35.921, 52.420

Monochromacy



Original Color
66, 63.070, 78.614

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 23.964, 85.738

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 63.070, 78.614 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(208, 150, 40)` looks like.

```
.text, #text, p{  
    color:rgb(208, 150, 40)  
}
```

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(208, 150, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 150, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 63.070, 78.614 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(208, 150, 40) }
```

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

```
.border{ border-color:rgb(208, 150, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 150, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 150, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 150, 40);  
box-shadow:4px 4px 4px 4px rgb(208, 150,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 63.070, 78.614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 150, 40) }
```

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

```
.background{ background-color: rgb(208,  
150, 40) }
```

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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