

Converting Colors

CIELCh(66, 58.539, 62.290)

Have a look what the booklet for
CIELCh(66, 58.539, 62.290) contains.

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Color

CIELCh(66, 58.585, 62.569)

Conversions

Conversions Part 1

Format	Color
Hex	E38C42
RGB	227, 140, 66
RGB Percent	89%, 55%, 26%
CMY	0.1113, 0.4522, 0.7424
CMYK	0.00, 0.38, 0.71, 0.11
HSL	28°, 74%, 57%
HSV	28°, 71%, 89%
XYZ	41.8675, 35.3238, 9.7187
YIQ	157.5770, 75.6060, -4.5700

Conversions

Conversions Part 2

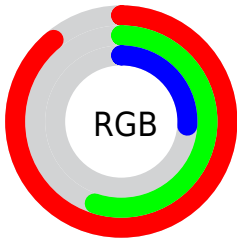
Format	Color
R _Y B	227, 203, 66
Decimal	14912578
CIE Lab	66.00, 26.99, 52.00
CIE LCh	66, 58.585, 62.569
Yxy	35.3238, 0.4817, 0.4064
Android (android.graphics.Color)	4293102658 (0xFFE38C42)
YUV	157.5770, -45.1475, 60.8840
Hunter-Lab	59.4338, 21.7332, 31.9085

Details

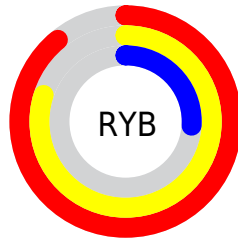
The CIELCh color **66, 58.585, 62.569** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **61, 45.049, 267.399**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 48.687, 74.129**, and **46, 58.396, 62.555** is the 20% darker color. If you saturate the color by 10%, you get **63, 67.338, 61.124**, and if you desaturate by 10%, it is **69, 49.415, 63.810**.

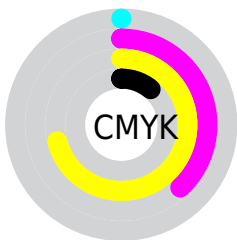
Distribution



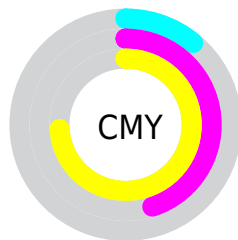
- Red (89%)
- Green (55%)
- Blue (26%)



- Red (89%)
- Yellow (80%)
- Blue (26%)



- Cyan (0%)
- Magenta (38%)
- Yellow (71%)
- Black (11%)



- Cyan (11%)
- Magenta (45%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 58.585, 62.569 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, 58.585, 62.569 by changing the saturation by 10% instead.

66, 58.585, 62.569

66, 58.585, 62.569

100, 58.585,
62.569

56, 58.585, 62.569

86, 58.585, 62.569

46, 58.585, 62.569

96, 58.585, 62.569

36, 58.585, 62.569

26, 58.585, 62.569

16, 58.585, 62.569

6, 58.585, 62.569

0, 58.585, 62.569

66, 58.585, 62.569

66, 58.585, 62.569

63, 67.338, 61.124

69, 49.415, 63.810

60, 74.741, 59.176

72, 40.335, 64.979

58, 79.660, 56.860

76, 31.577, 66.136

79, 23.229, 67.297

83, 15.312, 68.460

86, 7.810, 69.606

90, 0.692, 70.191

93, 6.079, 252.041

97, 8.262, 217.561

Harmonies

Complementary

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



66, 58.585, 62.569



61, 45.049, 267.399

Rectangle

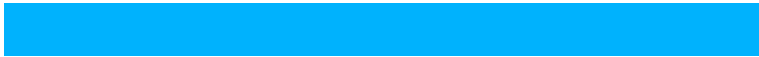
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66, 58.585, 62.569



66, 58.585, 112.569



66, 58.585, 242.569



66, 58.585, 292.569

Sweetspot

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



66, 58.584, 62.572



92, 16.847, 68.446



55, 69.802, 349.558



48, 11.489, 68.123



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, 58.584, 62.572



69, 77.558, 60.325



86, 73.166, 101.221



45, 3.979, 69.780



46, 65.643, 57.546



11, 19.699, 55.734

Inverse Universe

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



61, 45.049, 267.399



63, 58.245, 273.668



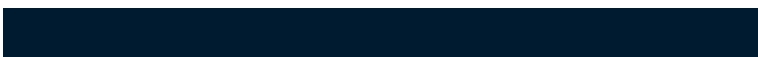
40, 90.841, 300.580



45, 3.868, 252.186



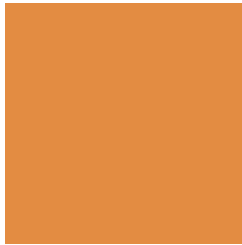
40, 50.228, 279.645



9, 17.732, 270.022

Previews

White Background



This preview shows how the CIELCh color 66, 58.585, 62.569 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 CIELCh color 66, 58.585, 62.569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

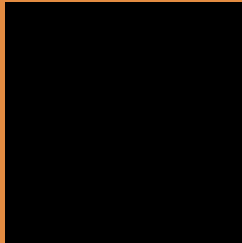
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 58.585, 62.569

Background



This preview shows how black text looks on a background with the CIELCh color 66, 58.585, 62.569.



This preview shows how white text looks on a background with the CIELCh color 66, 58.585, 62.569.

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, 58.585, 62.569

Protanopia

66, 47.956, 95.404

Deuteranopia

66, 53.465, 81.072



Tritanopia
66, 40.641, 17.063

Trichromacy



Original Color
66, 58.585, 62.569

Protanomaly
66, 49.153, 81.764

Deuteranomaly
66, 54.772, 73.687

Tritanomaly
66, 43.121, 38.399

Monochromacy



Original Color
66, 58.585, 62.569

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 20.035, 67.864

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 58.585, 62.569 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(227, 140, 66)` looks like.

```
.text, #text, p{  
    color:rgb(227, 140, 66)  
}
```

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(227, 140, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 140, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 58.585, 62.569 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(227, 140, 66) }
```

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

```
.border{ border-color:rgb(227, 140, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 140, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 140, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 140, 66);  
box-shadow:4px 4px 4px 4px rgb(227, 140,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 58.585, 62.569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 140, 66) }
```

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

```
.background{ background-color: rgb(227,  
140, 66) }
```

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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