

Converting Colors

CIELCh(66, 62.390, 60.301)

Have a look what the booklet for
CIELCh(66, 62.390, 60.301) contains.

CIELCh(66, 62.744, 60.058)	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, 62.744, 60.058)

Conversions

Conversions Part 1

Format	Color
Hex	E9883D
RGB	233, 136, 61
RGB Percent	91%, 53%, 24%
CMY	0.0858, 0.4662, 0.7604
CMYK	0.00, 0.42, 0.74, 0.09
HSL	26°, 80%, 58%
HSV	26°, 74%, 91%
XYZ	43.3128, 35.3238, 8.9655
YIQ	156.4530, 81.8870, -2.7610

Conversions

Conversions Part 2

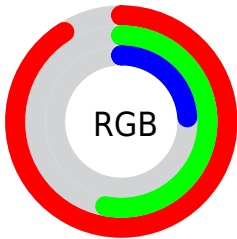
Format	Color
R _Y B	233, 194, 61
Decimal	15304765
CIE Lab	66.00, 31.32, 54.37
CIE LCh	66, 62.744, 60.058
Yxy	35.3238, 0.4944, 0.4032
Android (android.graphics.Color)	4293494845 (0xFFE9883D)
YUV	156.4530, -47.0583, 67.1317
Hunter-Lab	59.4338, 26.0737, 32.6599

Details

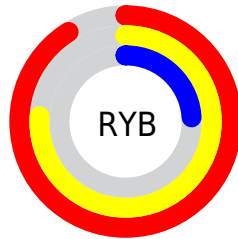
The CIELCh color **66, 62.744, 60.058** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **63, 45.982, 265.588**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 50.360, 72.662**, and **46, 62.897, 59.952** is the 20% darker color. If you saturate the color by 10%, you get **63, 71.679, 58.645**, and if you desaturate by 10%, it is **69, 53.228, 61.212**.

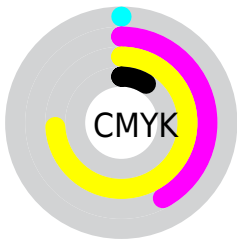
Distribution



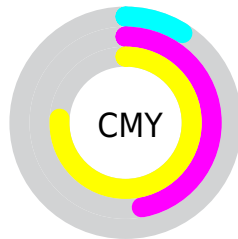
- Red (91%)
- Green (53%)
- Blue (24%)



- Red (91%)
- Yellow (76%)
- Blue (24%)



- Cyan (0%)
- Magenta (42%)
- Yellow (74%)
- Black (9%)



- Cyan (9%)
- Magenta (47%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 62.744, 60.058 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, 62.744, 60.058 by changing the saturation by 10% instead.

66, 62.744, 60.058

66, 62.744, 60.058

100, 62.744,
60.058

56, 62.744, 60.058

86, 62.744, 60.058

46, 62.744, 60.058

96, 62.744, 60.058

36, 62.744, 60.058

26, 62.744, 60.058

16, 62.744, 60.058

6, 62.744, 60.058

0, 62.744, 60.058

66, 62.744, 60.058

66, 62.744, 60.058

63, 71.679, 58.645

69, 53.228, 61.212

60, 78.925, 56.605

73, 43.759, 62.281

59, 82.413, 55.034

76, 34.624, 63.342

80, 25.937, 64.420

83, 17.727, 65.514

87, 9.979, 66.608

91, 2.661, 67.595

95, 4.269, 248.989

98, 7.288, 201.253

Harmonies

Complementary

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



66, 62.744, 60.058



63, 45.982, 265.588

Rectangle

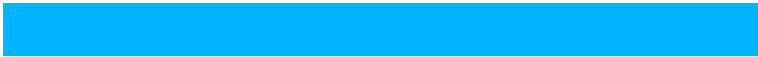
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66, 62.744, 60.058



66, 62.744, 110.058



66, 62.744, 240.058



66, 62.744, 290.058

Sweetspot

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



66, 62.742, 60.061



91, 17.544, 65.698



55, 73.639, 349.034



47, 11.883, 65.399



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, 62.742, 60.061



67, 81.405, 57.600



87, 75.926, 100.053



47, 4.081, 67.068



46, 67.877, 55.694



12, 22.329, 54.176

Inverse Universe

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



63, 45.982, 265.588



63, 58.110, 272.666



41, 95.104, 300.730



47, 3.952, 249.404



43, 48.968, 276.960



11, 18.445, 268.259

Previews

White Background



This preview shows how the CIELCh color 66, 62.744, 60.058 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, 62.744, 60.058 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, 62.744, 60.058

Background



This preview shows how black text looks on a background with the CIELCh color 66, 62.744, 60.058.



This preview shows how white text looks on a background with the CIELCh color 66, 62.744, 60.058.

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, 62.744, 60.058

Protanopia

66, 49.792, 95.535

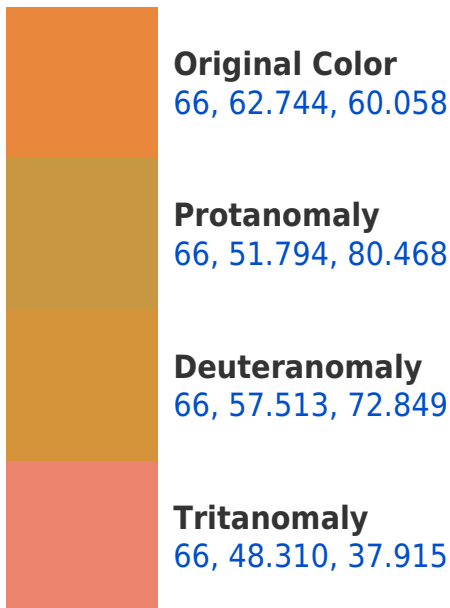
Deuteranopia

66, 56.143, 81.374



Tritanopia
66, 44.913, 18.322

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 62.744, 60.058 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(233, 136, 61)` looks like.

```
.text, #text, p{  
    color:rgb(233, 136, 61)  
}
```

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(233, 136, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 136, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 62.744, 60.058 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(233, 136, 61) }
```

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

```
.border{ border-color:rgb(233, 136, 61) }
```

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

Here you see how a box with a 4 pixel rgb(233, 136, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 136, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 136, 61);  
box-shadow:4px 4px 4px 4px rgb(233, 136,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 62.744, 60.058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 136, 61) }
```

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

```
.background{ background-color: rgb(233,  
136, 61) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor