

Converting Colors

CIELCh(66, 55.718, 55.885)

Have a look what the booklet for
CIELCh(66, 55.718, 55.885) contains.

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Color

CIELCh(66, 55.691, 55.707)

Conversions

Conversions Part 1

Format	Color
Hex	E7884E
RGB	231, 136, 78
RGB Percent	91%, 53%, 31%
CMY	0.0925, 0.4652, 0.6928
CMYK	0.00, 0.41, 0.66, 0.09
HSL	23°, 76%, 61%
HSV	23°, 66%, 91%
XYZ	43.3333, 35.3238, 11.8058
YIQ	157.7930, 75.2380, 2.1020

Conversions

Conversions Part 2

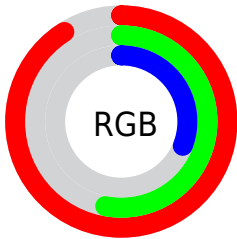
Format	Color
R _Y B	231, 171, 78
Decimal	15173710
CIE Lab	66.00, 31.38, 46.01
CIE LCh	66, 55.691, 55.707
Yxy	35.3238, 0.4790, 0.3905
Android (android.graphics.Color)	4293363790 (0xFFE7884E)
YUV	157.7930, -39.3379, 64.2025
Hunter-Lab	59.4338, 26.1353, 29.8265

Details

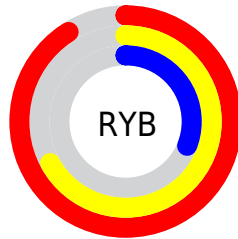
The CIELCh color **66, 55.691, 55.707** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **68, 38.720, 254.729**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 43.052, 67.579**, and **46, 55.572, 55.855** is the 20% darker color. If you saturate the color by 10%, you get **63, 65.565, 54.917**, and if you desaturate by 10%, it is **70, 45.892, 56.440**.

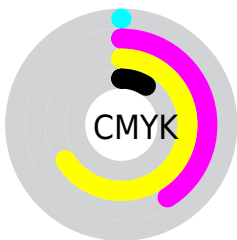
Distribution



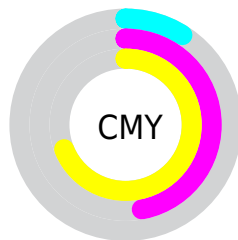
- Red (91%)
- Green (53%)
- Blue (31%)



- Red (91%)
- Yellow (67%)
- Blue (31%)



- Cyan (0%)
- Magenta (41%)
- Yellow (66%)
- Black (9%)



- Cyan (9%)
- Magenta (47%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 55.691, 55.707 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, 55.691, 55.707 by changing the saturation by 10% instead.

66, 55.691, 55.707

66, 55.691, 55.707

100, 55.691,
55.707

56, 55.691, 55.707

86, 55.691, 55.707

46, 55.691, 55.707

96, 55.691, 55.707

36, 55.691, 55.707

26, 55.691, 55.707

16, 55.691, 55.707

6, 55.691, 55.707

0, 55.691, 55.707

66, 55.691, 55.707

66, 55.691, 55.707

63, 65.565, 54.917

70, 45.892, 56.440

60, 74.805, 53.831

73, 36.494, 57.196

57, 82.127, 52.007

77, 27.623, 58.008

56, 84.544, 51.239

81, 19.307, 58.871

85, 11.527, 59.769

89, 4.245, 60.638

93, 2.588, 241.917

97, 7.010, 214.651

98, 8.049, 198.979

Harmonies

Complementary

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



66, 55.691, 55.707



68, 38.720, 254.729

Rectangle

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



66, 55.691, 55.707



66, 55.691, 105.707



66, 55.691, 235.707



66, 55.691, 285.707

Sweetspot

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



66, 55.690, 55.711



91, 15.652, 59.411



58, 70.791, 343.547



47, 10.781, 59.157



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, 55.690, 55.711



68, 73.941, 54.611



84, 66.117, 96.777



46, 3.938, 60.367



44, 69.214, 51.887



10, 21.446, 47.877

Inverse Universe

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



68, 38.720, 254.729



70, 47.960, 260.071



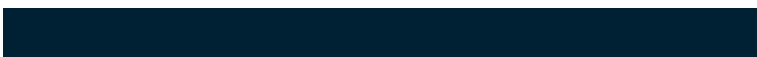
47, 77.592, 296.210



46, 3.781, 242.423



45, 43.157, 269.212



11, 16.248, 259.731

Previews

White Background



This preview shows how the CIELCh color 66, 55.691, 55.707 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, 55.691, 55.707 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, 55.691, 55.707

Background



This preview shows how black text looks on a background with the CIELCh color 66, 55.691, 55.707.



This preview shows how white text looks on a background with the CIELCh color 66, 55.691, 55.707.

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



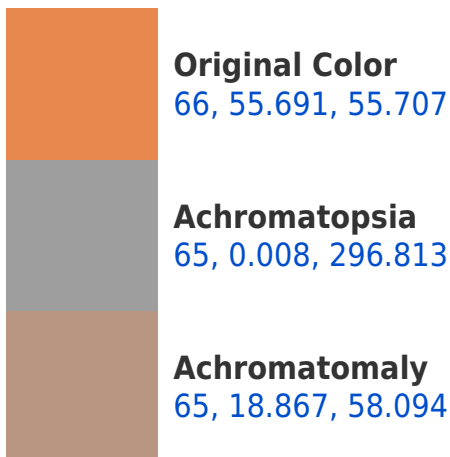


Tritanopia
66, 43.582, 17.252

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 55.691, 55.707 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(231, 136, 78)` looks like.

```
.text, #text, p{  
    color:rgb(231, 136, 78)  
}
```

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(231, 136, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 136, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 55.691, 55.707 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(231, 136, 78) }
```

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

```
.border{ border-color:rgb(231, 136, 78) }
```

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

Here you see how a box with a 4 pixel rgb(231, 136, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 136, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 136, 78);  
box-shadow:4px 4px 4px 4px rgb(231, 136,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 55.691, 55.707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 136, 78) }
```

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

```
.background{ background-color: rgb(231,  
136, 78) }
```

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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