

Converting Colors

CIELCh(67, 55.642, 55.699)

Have a look what the booklet for
CIELCh(67, 55.642, 55.699) contains.

CIELCh(67, 55.435, 55.766)	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(67, 55.435, 55.766)

Conversions

Conversions Part 1

Format	Color
Hex	EA8B51
RGB	234, 139, 81
RGB Percent	92%, 55%, 32%
CMY	0.0816, 0.4542, 0.6818
CMYK	0.00, 0.41, 0.65, 0.08
HSL	23°, 79%, 62%
HSV	23°, 65%, 92%
XYZ	44.7397, 36.6320, 12.5269
YIQ	160.7930, 75.2380, 2.1020

Conversions

Conversions Part 2

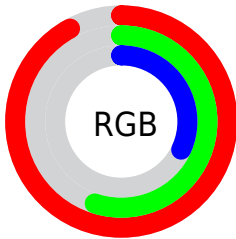
Format	Color
R _Y B	234, 174, 81
Decimal	15371089
CIE Lab	67.00, 31.19, 45.83
CIE LCh	67, 55.435, 55.766
Yxy	36.6320, 0.4765, 0.3901
Android (android.graphics.Color)	4293561169 (0xFFEA8B51)
YUV	160.7930, -39.3379, 64.2025
Hunter-Lab	60.5244, 26.0298, 30.0956

Details

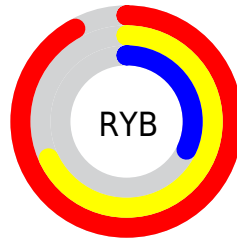
The CIELCh color **67, 55.435, 55.766** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **69, 38.716, 254.463**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 42.039, 68.909**, and **47, 55.335, 56.011** is the 20% darker color. If you saturate the color by 10%, you get **64, 65.417, 54.986**, and if you desaturate by 10%, it is **71, 45.564, 56.499**.

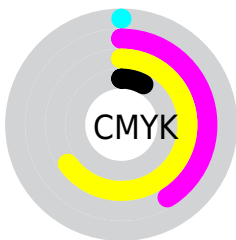
Distribution



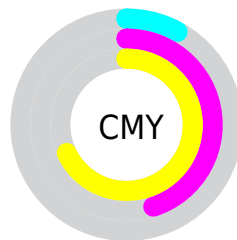
- Red (92%)
- Green (55%)
- Blue (32%)



- Red (92%)
- Yellow (68%)
- Blue (32%)



- Cyan (0%)
- Magenta (41%)
- Yellow (65%)
- Black (8%)



- Cyan (8%)
- Magenta (45%)
- Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 55.435, 55.766 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 67, 55.435, 55.766 by changing the saturation by 10% instead.

 67, 55.435, 55.766

 67, 55.435, 55.766

 100, 55.435,
55.766

 57, 55.435, 55.766

 87, 55.435, 55.766

 47, 55.435, 55.766

 97, 55.435, 55.766

 37, 55.435, 55.766

 27, 55.435, 55.766

 17, 55.435, 55.766

 7, 55.435, 55.766

 0, 55.435, 55.766

 67, 55.435, 55.766

 67, 55.435, 55.766

 64, 65.417, 54.986

 71, 45.564, 56.499

61, 74.832, 53.933

74, 36.114, 57.261

58, 82.416, 52.179

78, 27.200, 58.077

57, 85.323, 51.216

82, 18.846, 58.945

86, 11.032, 59.845

91, 3.717, 60.701

95, 3.147, 241.966

99, 7.124, 199.047

Harmonies

Complementary

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



67, 55.435, 55.766



69, 38.716, 254.463

Rectangle

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



67, 55.435, 55.766



67, 55.435, 105.766



67, 55.435, 235.766



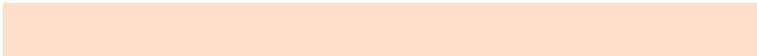
67, 55.435, 285.766

Sweetspot

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



67, 55.434, 55.770



91, 15.652, 59.416



59, 70.850, 343.438



47, 10.781, 59.162



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 55.434, 55.770



68, 72.910, 54.712



85, 66.082, 96.859



47, 4.010, 60.369



44, 69.969, 51.850



11, 22.715, 48.501

Inverse Universe

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



69, 38.716, 254.463



70, 47.504, 259.633



48, 77.294, 296.008



47, 3.850, 242.430



46, 43.650, 269.275



12, 16.853, 260.321

Previews

White Background



This preview shows how the CIELCh color 67, 55.435, 55.766 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 67, 55.435, 55.766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

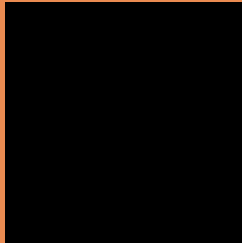
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 55.435, 55.766

Background



This preview shows how black text looks on a background with the CIELCh color 67, 55.435, 55.766.



This preview shows how white text looks on a background with the CIELCh color 67, 55.435, 55.766.

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

67, 55.435, 55.766

Protanopia

67, 40.938, 96.004

Deuteranopia

67, 47.862, 79.810



Tritanopia
67, 43.427, 17.145

Trichromacy



Original Color
67, 55.435, 55.766

Protanomaly
67, 43.081, 78.181

Deuteranomaly
67, 49.312, 69.890

Tritanomaly
67, 45.061, 33.934

Monochromacy



Original Color
67, 55.435, 55.766

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 18.782, 58.132

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 55.435, 55.766 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(234, 139, 81)` looks like.

```
.text, #text, p{  
    color:rgb(234, 139, 81)  
}
```

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(234, 139, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 139, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 55.435, 55.766 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(234, 139, 81) }
```

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

```
.border{ border-color:rgb(234, 139, 81) }
```

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

Here you see how a box with a 4 pixel rgb(234, 139, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 139, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 139, 81);  
box-shadow:4px 4px 4px 4px rgb(234, 139,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 55.435, 55.766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 139, 81) }
```

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

```
.background{ background-color: rgb(234,  
139, 81) }
```

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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