

Converting Colors

CIELCh(66, 55.385, 47.421)

Have a look what the booklet for
CIELCh(66, 55.385, 47.421) contains.

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Color

CIELCh(66, 55.566, 47.138)

Conversions

Conversions Part 1

Format	Color
Hex	EF8359
RGB	239, 131, 89
RGB Percent	94%, 51%, 35%
CMY	0.0626, 0.4861, 0.6508
CMYK	0.00, 0.45, 0.63, 0.06
HSL	17°, 82%, 64%
HSV	17°, 63%, 94%
XYZ	45.5385, 35.3238, 13.8774
YIQ	158.5040, 77.8500, 9.8340

Conversions

Conversions Part 2

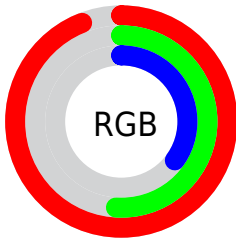
Format	Color
R _Y B	239, 147, 89
Decimal	15696729
CIE Lab	66.00, 37.80, 40.73
CIE LCh	66, 55.566, 47.138
Yxy	35.3238, 0.4807, 0.3729
Android (android.graphics.Color)	4293886809 (0xFFEF8359)
YUV	158.5040, -34.2655, 70.5950
Hunter-Lab	59.4338, 32.7584, 27.7599

Details

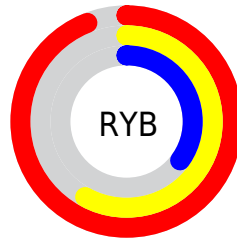
The CIELCh color **66, 55.566, 47.138** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **75, 35.325, 238.190**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 38.451, 58.532**, and **46, 55.780, 47.091** is the 20% darker color. If you saturate the color by 10%, you get **62, 66.452, 47.253**, and if you desaturate by 10%, it is **70, 45.033, 47.121**.

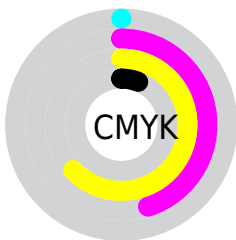
Distribution



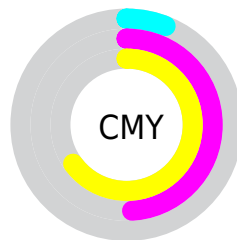
- Red (94%)
- Green (51%)
- Blue (35%)



- Red (94%)
- Yellow (58%)
- Blue (35%)



- Cyan (0%)
- Magenta (45%)
- Yellow (63%)
- Black (6%)



- Cyan (6%)
- Magenta (49%)
- Yellow (65%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 55.566, 47.138 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, 55.566, 47.138 by changing the saturation by 10% instead.

 66, 55.566, 47.138

 66, 55.566, 47.138

 100, 55.566,
47.138

 56, 55.566, 47.138

 86, 55.566, 47.138

 46, 55.566, 47.138

 96, 55.566, 47.138

 36, 55.566, 47.138

 26, 55.566, 47.138

 16, 55.566, 47.138

 6, 55.566, 47.138

 0, 55.566, 47.138

 66, 55.566, 47.138

 66, 55.566, 47.138

 62, 66.452, 47.253

 70, 45.033, 47.121

59, 77.128, 47.280

74, 35.094, 47.240

56, 86.370, 46.790

79, 25.827, 47.498

54, 91.536, 45.996

83, 17.236, 47.870

88, 9.287, 48.319

93, 1.926, 48.627

98, 4.613, 221.967

99, 5.486, 199.178

Harmonies

Complementary

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



66, 55.566, 47.138



75, 35.325, 238.190

Rectangle

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



66, 55.566, 47.138



66, 55.566, 97.138



66, 55.566, 227.138



66, 55.566, 277.138

Sweetspot

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



66, 55.564, 47.142



90, 14.947, 48.029



61, 74.399, 337.886



47, 10.405, 47.904



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, 55.564, 47.142



65, 72.651, 47.279



83, 60.289, 90.416



48, 4.094, 48.470



42, 74.643, 46.519



11, 25.085, 40.575

Inverse Universe

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



75, 35.325, 238.190



76, 41.545, 242.196



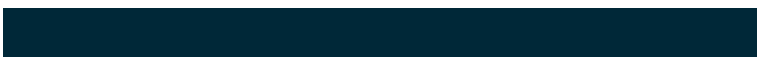
55, 65.899, 290.407



48, 3.882, 229.813



52, 37.126, 252.276



15, 15.458, 244.377

Previews

White Background



This preview shows how the CIELCh color 66, 55.566, 47.138 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, 55.566, 47.138 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, 55.566, 47.138

Background



This preview shows how black text looks on a background with the CIELCh color 66, 55.566, 47.138.



This preview shows how white text looks on a background with the CIELCh color 66, 55.566, 47.138.

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, 48.323, 19.253

Trichromacy



Original Color
66, 55.566, 47.138

Protanomaly
65, 37.141, 71.872

Deuteranomaly
66, 45.439, 64.849

Tritanomaly
66, 49.457, 30.135

Monochromacy



Original Color
66, 55.566, 47.138

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 18.317, 47.405

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 55.566, 47.138 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(239, 131, 89)` looks like.

```
.text, #text, p{  
    color:rgb(239, 131, 89)  
}
```

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(239, 131, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 131, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 55.566, 47.138 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(239, 131, 89) }
```

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

```
.border{ border-color:rgb(239, 131, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 131, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 131, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 131, 89);  
box-shadow:4px 4px 4px 4px rgb(239, 131,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 55.566, 47.138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 131, 89) }
```

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

```
.background{ background-color: rgb(239,  
131, 89) }
```

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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