

Converting Colors

CIELCh(66, 56.894, 59.326)

Have a look what the booklet for
CIELCh(66, 56.894, 59.326) contains.

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Color

CIELCh(66, 57.076, 59.255)

Conversions

Conversions Part 1

Format	Color
Hex	E58A48
RGB	229, 138, 72
RGB Percent	90%, 54%, 28%
CMY	0.1018, 0.4586, 0.7175
CMYK	0.00, 0.40, 0.69, 0.10
HSL	25°, 75%, 59%
HSV	25°, 69%, 90%
XYZ	42.5945, 35.3238, 10.7110
YIQ	157.6850, 75.4220, -1.2340

Conversions

Conversions Part 2

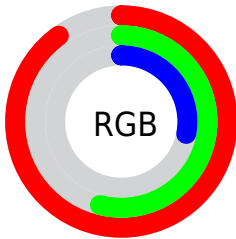
Format	Color
R _Y B	229, 186, 72
Decimal	15043144
CIE Lab	66.00, 29.18, 49.05
CIE LCh	66, 57.076, 59.255
Yxy	35.3238, 0.4806, 0.3986
Android (android.graphics.Color)	4293233224 (0xFFE58A48)
YUV	157.6850, -42.2427, 62.5433
Hunter-Lab	59.4338, 23.9166, 30.9186

Details

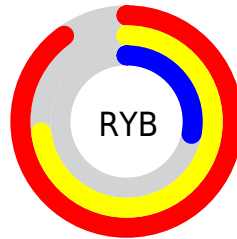
The CIELCh color **66, 57.076, 59.255** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **64, 41.632, 261.409**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 45.813, 71.083**, and **46, 57.048, 59.391** is the 20% darker color. If you saturate the color by 10%, you get **63, 66.433, 58.117**, and if you desaturate by 10%, it is **69, 47.569, 60.261**.

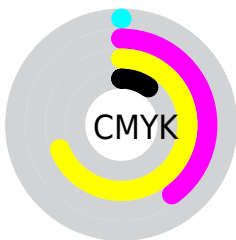
Distribution



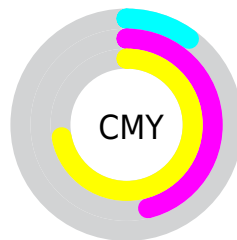
- Red (90%)
- Green (54%)
- Blue (28%)



- Red (90%)
- Yellow (73%)
- Blue (28%)



- Cyan (0%)
- Magenta (40%)
- Yellow (69%)
- Black (10%)



- Cyan (10%)
- Magenta (46%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 57.076, 59.255 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, 57.076, 59.255 by changing the saturation by 10% instead.

66, 57.076, 59.255

66, 57.076, 59.255

100, 57.076,
59.255

56, 57.076, 59.255

86, 57.076, 59.255

46, 57.076, 59.255

96, 57.076, 59.255

36, 57.076, 59.255

26, 57.076, 59.255

16, 57.076, 59.255

6, 57.076, 59.255

0, 57.076, 59.255

66, 57.076, 59.255

66, 57.076, 59.255

63, 66.433, 58.117

69, 47.569, 60.261

60, 74.813, 56.575

73, 38.324, 61.242

58, 81.114, 54.286

76, 29.512, 62.243

57, 81.978, 53.971

80, 21.187, 63.271

84, 13.349, 64.318

88, 5.969, 65.347

92, 0.994, 246.980

95, 7.480, 246.854

98, 8.837, 198.922

Harmonies

Complementary

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



66, 57.076, 59.255



64, 41.632, 261.409

Rectangle

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



66, 57.076, 59.255



66, 57.076, 109.255



66, 57.076, 239.255



66, 57.076, 289.255

Sweetspot

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



66, 57.075, 59.258



91, 16.619, 64.048



56, 69.964, 346.932



47, 11.344, 63.756



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, 57.075, 59.258



68, 75.824, 57.579



85, 70.066, 99.545



46, 3.983, 65.257



45, 67.690, 54.624



11, 21.149, 52.056

Inverse Universe

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



64, 41.632, 261.409



66, 52.706, 267.298



44, 84.977, 298.816



46, 3.849, 247.524



43, 46.892, 274.939



10, 17.309, 265.611

Previews

White Background



This preview shows how the CIELCh color 66, 57.076, 59.255 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, 57.076, 59.255 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, 57.076, 59.255

Background



This preview shows how black text looks on a background with the CIELCh color 66, 57.076, 59.255.



This preview shows how white text looks on a background with the CIELCh color 66, 57.076, 59.255.

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, 57.076, 59.255

Protanopia

66, 44.553, 95.671

Deuteranopia

66, 50.885, 80.217



Tritanopia
66, 42.316, 16.861

Trichromacy



Original Color
66, 57.076, 59.255

Protanomaly
66, 46.647, 80.276

Deuteranomaly
66, 52.549, 72.108

Tritanomaly
66, 44.625, 36.058

Monochromacy



Original Color
66, 57.076, 59.255

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 19.365, 63.134

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 57.076, 59.255 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(229, 138, 72)` looks like.

```
.text, #text, p{  
    color:rgb(229, 138, 72)  
}
```

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(229, 138, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 138, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 57.076, 59.255 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(229, 138, 72) }
```

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

```
.border{ border-color:rgb(229, 138, 72) }
```

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

Here you see how a box with a 4 pixel rgb(229, 138, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 138, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 138, 72);  
box-shadow:4px 4px 4px 4px rgb(229, 138,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 57.076, 59.255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 138, 72) }
```

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

```
.background{ background-color: rgb(229,  
138, 72) }
```

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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