

Converting Colors

CIELCh(67, 49.490, 57.875)

Have a look what the booklet for
CIELCh(67, 49.490, 57.875) contains.

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Color

CIELCh(67, 49.524, 57.932)

Conversions

Conversions Part 1

Format	Color
Hex	E28F58
RGB	226, 143, 88
RGB Percent	89%, 56%, 35%
CMY	0.1127, 0.4383, 0.6541
CMYK	0.00, 0.37, 0.61, 0.11
HSL	24°, 71%, 62%
HSV	24°, 61%, 89%
XYZ	43.0724, 36.6320, 14.0795
YIQ	161.5470, 67.1230, 0.4910

Conversions

Conversions Part 2

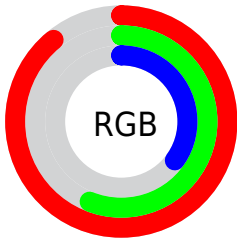
Format	Color
R _Y B	226, 179, 88
Decimal	14847832
CIE Lab	67.00, 26.29, 41.97
CIE LCh	67, 49.524, 57.932
Yxy	36.6320, 0.4593, 0.3906
Android (android.graphics.Color)	4293037912 (0xFFE28F58)
YUV	161.5470, -36.2587, 56.5253
Hunter-Lab	60.5244, 21.1126, 28.5747

Details

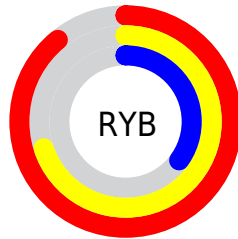
The CIELCh color **67, 49.524, 57.932** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **67, 36.394, 255.697**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 39.448, 69.670**, and **47, 49.239, 57.962** is the 20% darker color. If you saturate the color by 10%, you get **64, 59.101, 57.057**, and if you desaturate by 10%, it is **70, 40.181, 58.792**.

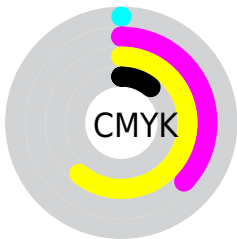
Distribution



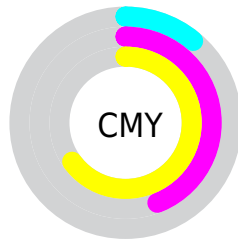
- Red (89%)
- Green (56%)
- Blue (35%)



- Red (89%)
- Yellow (70%)
- Blue (35%)



- Cyan (0%)
- Magenta (37%)
- Yellow (61%)
- Black (11%)



- Cyan (11%)
- Magenta (44%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 49.524, 57.932 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, 49.524, 57.932 by changing the saturation by 10% instead.

67, 49.524, 57.932

67, 49.524, 57.932

100, 49.524,
57.932

57, 49.524, 57.932

87, 49.524, 57.932

47, 49.524, 57.932

97, 49.524, 57.932

37, 49.524, 57.932

27, 49.524, 57.932

17, 49.524, 57.932

7, 49.524, 57.932

0, 49.524, 57.932

67, 49.524, 57.932

67, 49.524, 57.932

64, 59.101, 57.057

70, 40.181, 58.792

61, 68.438, 56.011

74, 31.279, 59.679

58, 76.580, 54.478

78, 22.888, 60.609

56, 82.183, 52.528

82, 15.010, 61.572

86, 7.619, 62.541

90, 0.673, 62.895

94, 5.873, 244.719

97, 8.863, 208.591

98, 9.758, 198.857

Harmonies

Complementary

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



67, 49.524, 57.932



67, 36.394, 255.697

Rectangle

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



67, 49.524, 57.932



67, 49.524, 107.932



67, 49.524, 237.932



67, 49.524, 287.932

Sweetspot

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



67, 49.523, 57.936



92, 14.037, 61.853



58, 64.849, 343.759



48, 9.846, 61.568



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, 49.523, 57.936



70, 67.272, 56.822



83, 61.431, 98.345



45, 3.883, 62.689



44, 67.732, 53.182



10, 20.011, 49.157

Inverse Universe

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



67, 36.394, 255.697



70, 46.371, 260.330



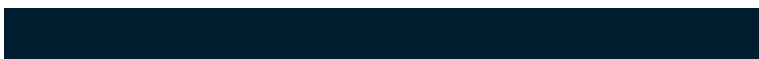
49, 71.066, 295.559



45, 3.740, 244.847



43, 44.350, 271.951



10, 16.090, 261.936

Previews

White Background



This preview shows how the CIELCh color 67, 49.524, 57.932 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, 49.524, 57.932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

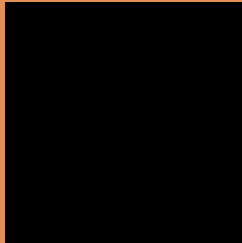
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 49.524, 57.932

Background



This preview shows how black text looks on a background with the CIELCh color 67, 49.524, 57.932.



This preview shows how white text looks on a background with the CIELCh color 67, 49.524, 57.932.

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, 49.524, 57.932

Protanopia

67, 37.839, 96.264

Deuteranopia

67, 43.963, 78.682



Tritanopia
67, 38.384, 15.518

Trichromacy



Original Color
67, 49.524, 57.932

Protanomaly
67, 39.061, 79.416

Deuteranomaly
67, 45.174, 70.306

Tritanomaly
67, 39.512, 34.036

Monochromacy



Original Color
67, 49.524, 57.932

Achromatopsia
67, 0.008, 296.813

Achromatomaly
66, 16.701, 61.185

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 49.524, 57.932 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(226, 143, 88)` looks like.

```
.text, #text, p{  
    color:rgb(226, 143, 88)  
}
```

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(226, 143, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 143, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 49.524, 57.932 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(226, 143, 88) }
```

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

```
.border{ border-color:rgb(226, 143, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 143, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 143, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 143, 88);  
box-shadow:4px 4px 4px 4px rgb(226, 143,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 49.524, 57.932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 143, 88) }
```

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

```
.background{ background-color: rgb(226,  
143, 88) }
```

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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