

Converting Colors

CIELCh(68, 49.461, 61.224)

Have a look what the booklet for
CIELCh(68, 49.461, 61.224) contains.

CIELCh(68, 49.355, 61.398)	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(68, 49.355, 61.398)

Conversions

Conversions Part 1

Format	Color
Hex	E29458
RGB	226, 148, 88
RGB Percent	89%, 58%, 35%
CMY	0.1144, 0.4202, 0.6555
CMYK	0.00, 0.35, 0.61, 0.11
HSL	26°, 70%, 62%
HSV	26°, 61%, 89%
XYZ	43.6280, 37.9720, 14.2302
YIQ	164.4820, 65.7480, -2.1240

Conversions

Conversions Part 2

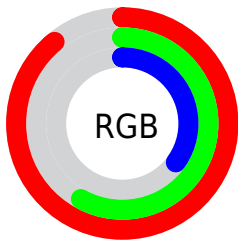
Format	Color
R _{YB}	226, 194, 88
Decimal	14849112
CIE Lab	68.00, 23.63, 43.33
CIE LCh	68, 49.355, 61.398
Yxy	37.9720, 0.4553, 0.3962
Android (android.graphics.Color)	4293039192 (0xFFE29458)
YUV	164.4820, -37.7056, 53.9513
Hunter-Lab	61.6215, 18.5404, 29.4432

Details

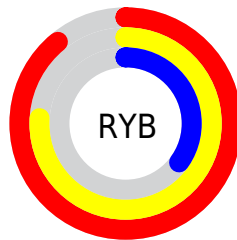
The CIELCh color **68, 49.355, 61.398** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **66, 37.984, 260.601**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 40.108, 73.925**, and **48, 49.612, 61.427** is the 20% darker color. If you saturate the color by 10%, you get **65, 58.665, 60.295**, and if you desaturate by 10%, it is **71, 40.193, 62.456**.

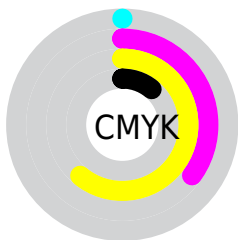
Distribution



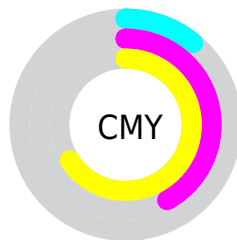
- Red (89%)
- Green (58%)
- Blue (35%)



- Red (89%)
- Yellow (76%)
- Blue (35%)



- Cyan (0%)
- Magenta (35%)
- Yellow (61%)
- Black (11%)



- Cyan (11%)
- Magenta (42%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 49.355, 61.398 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 68, 49.355, 61.398 by changing the saturation by 10% instead.

68, 49.355, 61.398

68, 49.355, 61.398

100, 49.355,
61.398

58, 49.355, 61.398

88, 49.355, 61.398

48, 49.355, 61.398

98, 49.355, 61.398

38, 49.355, 61.398

28, 49.355, 61.398

18, 49.355, 61.398

8, 49.355, 61.398

0, 49.355, 61.398

68, 49.355, 61.398

68, 49.355, 61.398

65, 58.665, 60.295

71, 40.193, 62.456

62, 67.632, 58.992

75, 31.403, 63.513

59, 75.312, 57.188

78, 23.065, 64.590

57, 80.462, 55.024

82, 15.191, 65.681

86, 7.761, 66.763

89, 0.739, 67.313

93, 5.915, 249.110

97, 8.528, 216.693

98, 9.903, 198.847

Harmonies

Complementary

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



68, 49.355, 61.398



66, 37.984, 260.601

Rectangle

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



68, 49.355, 61.398



68, 49.355, 111.398



68, 49.355, 241.398



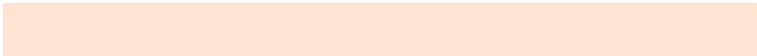
68, 49.355, 291.398

Sweetspot

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



68, 49.354, 61.402



93, 14.180, 66.005



58, 63.023, 346.704



48, 9.939, 65.686



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 49.354, 61.402



72, 66.728, 60.009



85, 63.921, 101.159



45, 3.932, 66.937



45, 66.454, 55.694



10, 19.794, 53.005

Inverse Universe

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



66, 37.984, 260.601



69, 48.874, 265.257



47, 75.410, 297.580



45, 3.808, 249.258



41, 47.737, 276.704



9, 17.025, 266.885

Previews

White Background



This preview shows how the CIELCh color 68, 49.355, 61.398 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 68, 49.355, 61.398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

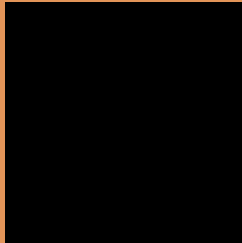
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 49.355, 61.398

Background



This preview shows how black text looks on a background with the CIELCh color 68, 49.355, 61.398.



This preview shows how white text looks on a background with the CIELCh color 68, 49.355, 61.398.

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
68, 36.577, 14.000

Trichromacy



Original Color
68, 49.355, 61.398

Protanomaly
68, 40.620, 81.072

Deuteranomaly
68, 46.039, 71.721

Tritanomaly
68, 37.382, 35.183

Monochromacy



Original Color
68, 49.355, 61.398

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 16.827, 65.653

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 49.355, 61.398 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, 148, 88)` looks like.

```
.text, #text, p{  
    color:rgb(226, 148, 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, 148, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 148, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 49.355, 61.398 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, 148, 88) }
```

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

```
.border{ border-color:rgb(226, 148, 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, 148, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 148, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 148, 88);  
box-shadow:4px 4px 4px 4px rgb(226, 148,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 49.355, 61.398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 148, 88) }
```

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

```
.background{ background-color: rgb(226,  
148, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor