

Converting Colors

CIELCh(68, 50.070, 55.430)

Have a look what the booklet for
CIELCh(68, 50.070, 55.430) contains.

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Color

CIELCh(68, 50.149, 55.413)

Conversions

Conversions Part 1

Format	Color
Hex	E8905C
RGB	232, 144, 92
RGB Percent	91%, 56%, 36%
CMY	0.0893, 0.4345, 0.6385
CMYK	0.00, 0.38, 0.60, 0.09
HSL	22°, 75%, 64%
HSV	22°, 60%, 91%
XYZ	45.2911, 37.9720, 15.1083
YIQ	164.3840, 69.1400, 2.4840

Conversions

Conversions Part 2

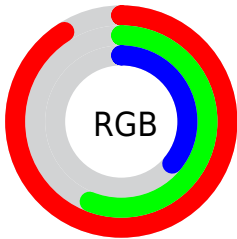
Format	Color
R _Y B	232, 175, 92
Decimal	15241308
CIE Lab	68.00, 28.47, 41.29
CIE LCh	68, 50.149, 55.413
Yxy	37.9720, 0.4604, 0.3860
Android (android.graphics.Color)	4293431388 (0xFFE8905C)
YUV	164.3840, -35.6853, 59.2992
Hunter-Lab	61.6215, 23.3580, 28.5983

Details

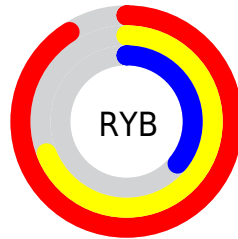
The CIELCh color **68, 50.149, 55.413** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **70, 35.779, 251.628**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 37.842, 68.969**, and **48, 49.980, 55.506** is the 20% darker color. If you saturate the color by 10%, you get **65, 60.115, 54.734**, and if you desaturate by 10%, it is **72, 40.494, 56.107**.

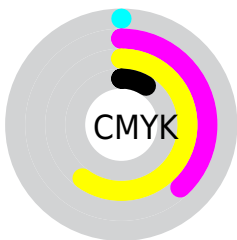
Distribution



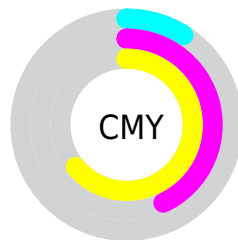
- Red (91%)
- Green (56%)
- Blue (36%)



- Red (91%)
- Yellow (69%)
- Blue (36%)



- Cyan (0%)
- Magenta (38%)
- Yellow (60%)
- Black (9%)



- Cyan (9%)
- Magenta (43%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 50.149, 55.413 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, 50.149, 55.413 by changing the saturation by 10% instead.

68, 50.149, 55.413

68, 50.149, 55.413

100, 50.149,
55.413

58, 50.149, 55.413

88, 50.149, 55.413

48, 50.149, 55.413

98, 50.149, 55.413

38, 50.149, 55.413

28, 50.149, 55.413

18, 50.149, 55.413

8, 50.149, 55.413

0, 50.149, 55.413

68, 50.149, 55.413

68, 50.149, 55.413

65, 60.115, 54.734

72, 40.494, 56.107

61, 69.941, 53.922

76, 31.344, 56.853

58, 78.672, 52.662

79, 22.757, 57.659

56, 85.132, 50.768

84, 14.728, 58.513

88, 7.225, 59.383

92, 0.201, 57.807

96, 6.394, 241.408

98, 7.783, 198.998

Harmonies

Complementary

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



68, 50.149, 55.413



70, 35.779, 251.628

Rectangle

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



68, 50.149, 55.413



68, 50.149, 105.413



68, 50.149, 235.413



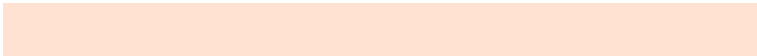
68, 50.149, 285.413

Sweetspot

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



68, 50.148, 55.417



92, 13.980, 58.706



60, 66.256, 342.745



48, 9.812, 58.451



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, 50.148, 55.417



70, 66.738, 54.584



85, 61.278, 97.413



47, 4.005, 59.453



44, 70.265, 51.377



11, 22.782, 47.772

Inverse Universe

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



70, 35.779, 251.628



72, 44.272, 255.966



51, 70.201, 294.680



47, 3.841, 241.469



46, 43.000, 268.128



12, 16.665, 259.166

Previews

White Background



This preview shows how the CIELCh color 68, 50.149, 55.413 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, 50.149, 55.413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

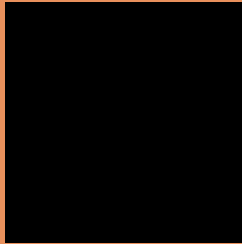
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 50.149, 55.413

Background



This preview shows how black text looks on a background with the CIELCh color 68, 50.149, 55.413.



This preview shows how white text looks on a background with the CIELCh color 68, 50.149, 55.413.

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

68, 50.149, 55.413

Protanopia

68, 36.334, 95.427

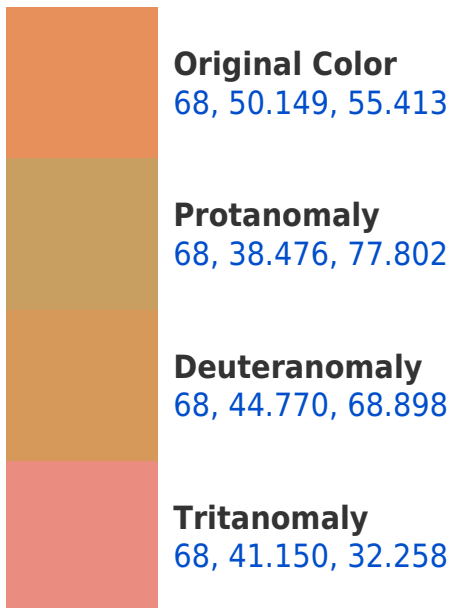
Deuteranopia

68, 42.937, 78.297



Tritanopia
68, 40.321, 15.370

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 50.149, 55.413 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(232, 144, 92)` looks like.

```
.text, #text, p{  
    color:rgb(232, 144, 92)  
}
```

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(232, 144, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 144, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 50.149, 55.413 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(232, 144, 92) }
```

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

```
.border{ border-color:rgb(232, 144, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 144, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 144, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 144, 92);  
box-shadow:4px 4px 4px 4px rgb(232, 144,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 50.149, 55.413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 144, 92) }
```

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

```
.background{ background-color: rgb(232,  
144, 92) }
```

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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