

Converting Colors

CIELCh(68, 60.446, 61.698)

Have a look what the booklet for
CIELCh(68, 60.446, 61.698) contains.

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Color

CIELCh(68, 60.423, 62.118)

Conversions

Conversions Part 1

Format	Color
Hex	EB9044
RGB	235, 144, 68
RGB Percent	92%, 56%, 27%
CMY	0.0789, 0.4357, 0.7337
CMYK	0.00, 0.39, 0.71, 0.08
HSL	27°, 81%, 59%
HSV	27°, 71%, 92%
XYZ	45.2179, 37.9720, 10.3987
YIQ	162.5450, 78.6320, -4.3440

Conversions

Conversions Part 2

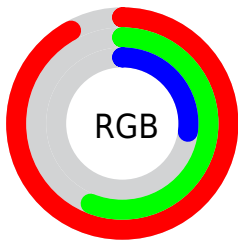
Format	Color
R _Y B	235, 207, 68
Decimal	15437892
CIE Lab	68.00, 28.26, 53.41
CIE LCh	68, 60.423, 62.118
Yxy	37.9720, 0.4832, 0.4057
Android (android.graphics.Color)	4293627972 (0xFFEB9044)
YUV	162.5450, -46.6107, 63.5430
Hunter-Lab	61.6215, 23.1460, 33.1298

Details

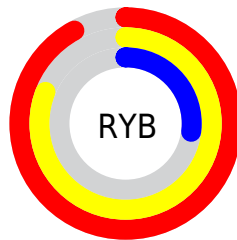
The CIELCh color **68, 60.423, 62.118** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **63, 46.089, 266.922**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 47.958, 76.153**, and **48, 60.340, 62.142** is the 20% darker color. If you saturate the color by 10%, you get **65, 69.461, 60.688**, and if you desaturate by 10%, it is **71, 50.953, 63.342**.

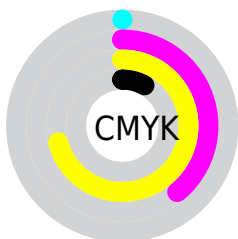
Distribution



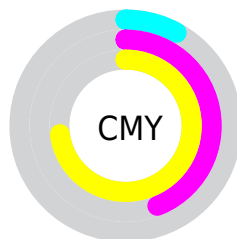
- Red (92%)
- Green (56%)
- Blue (27%)



- Red (92%)
- Yellow (81%)
- Blue (27%)



- Cyan (0%)
- Magenta (39%)
- Yellow (71%)
- Black (8%)



- Cyan (8%)
- Magenta (44%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 60.423, 62.118 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, 60.423, 62.118 by changing the saturation by 10% instead.

68, 60.423, 62.118

68, 60.423, 62.118

100, 60.423,
62.118

58, 60.423, 62.118

88, 60.423, 62.118

48, 60.423, 62.118

98, 60.423, 62.118

38, 60.423, 62.118

28, 60.423, 62.118

18, 60.423, 62.118

8, 60.423, 62.118

0, 60.423, 62.118

68, 60.423, 62.118

68, 60.423, 62.118

65, 69.461, 60.688

71, 50.953, 63.342

62, 77.089, 58.742

74, 41.582, 64.493

60, 82.072, 56.427

78, 32.549, 65.635

81, 23.948, 66.784

85, 15.798, 67.937

89, 8.082, 69.075

93, 0.768, 69.695

96, 5.876, 248.912

99, 6.893, 199.065

Harmonies

Complementary

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



68, 60.423, 62.118



63, 46.089, 266.922

Rectangle

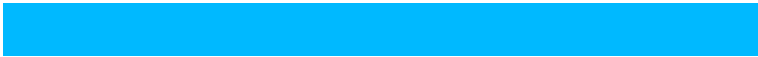
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68, 60.423, 62.118



68, 60.423, 112.118



68, 60.423, 242.118



68, 60.423, 292.118

Sweetspot

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



68, 60.422, 62.121



92, 16.815, 67.937



56, 71.853, 349.604



48, 11.469, 67.617



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, 60.422, 62.121



69, 77.663, 59.940



88, 75.338, 101.203



47, 4.117, 69.254



47, 67.234, 57.110



12, 22.251, 56.165

Inverse Universe

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



63, 46.089, 266.922



63, 57.763, 273.116



42, 93.640, 300.634



47, 3.999, 251.657



42, 50.922, 279.228



10, 19.049, 270.666

Previews

White Background



This preview shows how the CIELCh color 68, 60.423, 62.118 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, 60.423, 62.118 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, 60.423, 62.118

Background



This preview shows how black text looks on a background with the CIELCh color 68, 60.423, 62.118.



This preview shows how white text looks on a background with the CIELCh color 68, 60.423, 62.118.

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, 60.423, 62.118

Protanopia

68, 48.754, 95.651

Deuteranopia

68, 54.982, 80.857



Tritanopia
68, 42.467, 16.809

Trichromacy



Original Color
68, 60.423, 62.118

Protanomaly
68, 50.701, 81.513

Deuteranomaly
68, 56.297, 73.722

Tritanomaly
68, 45.428, 37.699

Monochromacy



Original Color
68, 60.423, 62.118

Achromatopsia
67, 0.008, 296.813

Achromatomaly
66, 20.806, 65.345

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 60.423, 62.118 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(235, 144, 68)` looks like.

```
.text, #text, p{  
    color:rgb(235, 144, 68)  
}
```

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(235, 144, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 144, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 60.423, 62.118 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(235, 144, 68) }
```

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

```
.border{ border-color:rgb(235, 144, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 144, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 144, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 144, 68);  
box-shadow:4px 4px 4px 4px rgb(235, 144,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 60.423, 62.118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 144, 68) }
```

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

```
.background{ background-color: rgb(235,  
144, 68) }
```

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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