

Converting Colors

CIELCh(65, 68.620, 60.192)

Have a look what the booklet for
CIELCh(65, 68.620, 60.192) contains.

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Color

CIELCh(65, 68.682, 60.144)

Conversions

Conversions Part 1

Format	Color
Hex	EB832F
RGB	235, 131, 47
RGB Percent	92%, 51%, 18%
CMY	0.0790, 0.4867, 0.8161
CMYK	0.00, 0.44, 0.80, 0.08
HSL	27°, 82%, 55%
HSV	27°, 80%, 92%
XYZ	42.8297, 34.0472, 6.9917
YIQ	152.5200, 88.9480, -4.0760

Conversions

Conversions Part 2

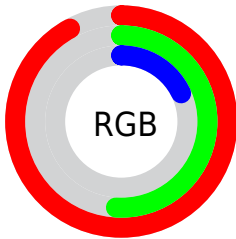
Format	Color
R _Y B	235, 199, 47
Decimal	15434543
CIE Lab	65.00, 34.19, 59.57
CIE LCh	65, 68.682, 60.144
Yxy	34.0472, 0.5107, 0.4060
Android (android.graphics.Color)	4293624623 (0xFFEB832F)
YUV	152.5200, -52.0214, 72.3350
Hunter-Lab	58.3500, 28.9090, 33.7406

Details

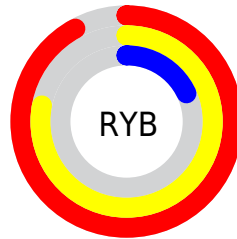
The CIELCh color **65, 68.682, 60.144** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **60, 50.512, 269.670**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 55.390, 72.465**, and **45, 64.725, 57.801** is the 20% darker color. If you saturate the color by 10%, you get **62, 76.623, 58.324**, and if you desaturate by 10%, it is **68, 59.477, 61.500**.

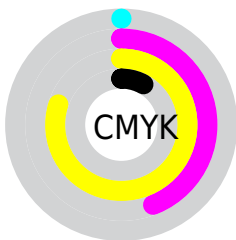
Distribution



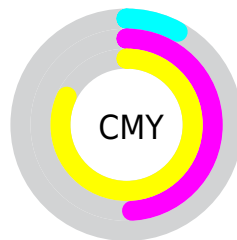
- Red (92%)
- Green (51%)
- Blue (18%)



- Red (92%)
- Yellow (78%)
- Blue (18%)



- Cyan (0%)
- Magenta (44%)
- Yellow (80%)
- Black (8%)



- Cyan (8%)
- Magenta (49%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 68.682, 60.144 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 65, 68.682, 60.144 by changing the saturation by 10% instead.

65, 68.682, 60.144

65, 68.682, 60.144

100, 68.682,
60.144

55, 68.682, 60.144

85, 68.682, 60.144

45, 68.682, 60.144

95, 68.682, 60.144

35, 68.682, 60.144

25, 68.682, 60.144

15, 68.682, 60.144

5, 68.682, 60.144

0, 68.682, 60.144

65, 68.682, 60.144

65, 68.682, 60.144

62, 76.623, 58.324

68, 59.477, 61.500

60, 82.417, 55.811

71, 49.946, 62.666

75, 40.569, 63.778

78, 31.563, 64.889

82, 23.008, 66.011

85, 14.915, 67.141

89, 7.264, 68.254

93, 0.020, 45.169

97, 5.705, 239.507

Harmonies

Complementary

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



65, 68.682, 60.144



60, 50.512, 269.670

Rectangle

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



65, 68.682, 60.144



65, 68.682, 110.144



65, 68.682, 240.144



65, 68.682, 290.144

Sweetspot

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



65, 68.680, 60.147



90, 19.321, 66.681



54, 77.167, 350.435



47, 13.410, 66.277



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 68.680, 60.147



65, 85.606, 56.708



87, 80.370, 99.575



47, 4.101, 68.315



47, 67.507, 56.491



12, 22.281, 55.302

Inverse Universe

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



60, 50.512, 269.670



60, 63.536, 277.449



37, 103.977, 302.227



47, 3.978, 250.691



42, 50.069, 278.267



10, 18.784, 269.642

Previews

White Background



This preview shows how the CIELCh color 65, 68.682, 60.144 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 65, 68.682, 60.144 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 65, 68.682, 60.144

Background



This preview shows how black text looks on a background with the CIELCh color 65, 68.682, 60.144.



This preview shows how white text looks on a background with the CIELCh color 65, 68.682, 60.144.

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

65, 68.682, 60.144

Protanopia

65, 54.663, 95.188

Deuteranopia

65, 61.159, 82.013



Tritanopia
65, 48.120, 19.879

Trichromacy



Original Color
65, 68.682, 60.144

Protanomaly
65, 56.672, 80.259

Deuteranomaly
65, 62.502, 73.187

Tritanomaly
65, 52.326, 39.562

Monochromacy



Original Color
65, 68.682, 60.144

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 23.688, 64.644

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 68.682, 60.144 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, 131, 47)` looks like.

```
.text, #text, p{  
    color:rgb(235, 131, 47)  
}
```

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, 131, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 131, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 68.682, 60.144 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, 131, 47) }
```

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

```
.border{ border-color:rgb(235, 131, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 131, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 131, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 131, 47);  
box-shadow:4px 4px 4px 4px rgb(235, 131,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 68.682, 60.144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 131, 47) }
```

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

```
.background{ background-color: rgb(235,  
131, 47) }
```

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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