

Converting Colors

CIELCh(68, 62.485, 65.799)

Have a look what the booklet for
CIELCh(68, 62.485, 65.799) contains.

CIELCh(68, 62.394, 65.781)	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, 62.394, 65.781)

Conversions

Conversions Part 1

Format	Color
Hex	E8923C
RGB	232, 146, 60
RGB Percent	91%, 57%, 24%
CMY	0.0908, 0.4279, 0.7652
CMYK	0.00, 0.37, 0.74, 0.09
HSL	30°, 79%, 57%
HSV	30°, 74%, 91%
XYZ	44.2993, 37.9720, 9.2515
YIQ	161.9100, 78.8620, -8.5140

Conversions

Conversions Part 2

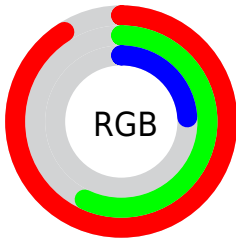
Format	Color
R _Y B	232, 232, 60
Decimal	15241788
CIE Lab	68.00, 25.60, 56.90
CIE LCh	68, 62.394, 65.781
Yxy	37.9720, 0.4840, 0.4149
Android (android.graphics.Color)	4293431868 (0xFFE8923C)
YUV	161.9100, -50.2416, 61.4689
Hunter-Lab	61.6215, 20.4850, 34.2336

Details

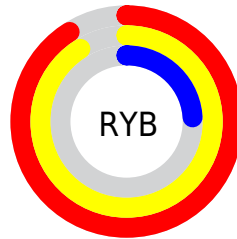
The CIELCh color **68, 62.394, 65.781** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **59, 50.909, 273.358**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 51.881, 79.103**, and **48, 61.932, 65.581** is the 20% darker color. If you saturate the color by 10%, you get **65, 70.544, 64.024**, and if you desaturate by 10%, it is **71, 53.422, 67.247**.

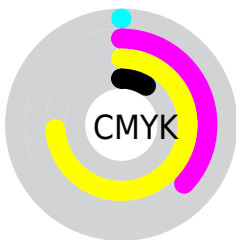
Distribution



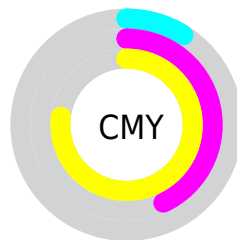
- Red (91%)
- Green (57%)
- Blue (24%)



- Red (91%)
- Yellow (91%)
- Blue (24%)



- Cyan (0%)
- Magenta (37%)
- Yellow (74%)
- Black (9%)



- Cyan (9%)
- Magenta (43%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 62.394, 65.781 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, 62.394, 65.781 by changing the saturation by 10% instead.

68, 62.394, 65.781

68, 62.394, 65.781

100, 62.394,
65.781

58, 62.394, 65.781

88, 62.394, 65.781

48, 62.394, 65.781

98, 62.394, 65.781

38, 62.394, 65.781

28, 62.394, 65.781

18, 62.394, 65.781

8, 62.394, 65.781

0, 62.394, 65.781

68, 62.394, 65.781

68, 62.394, 65.781

65, 70.544, 64.024

71, 53.422, 67.247

63, 76.810, 61.647

74, 44.293, 68.586

61, 79.558, 60.006

77, 35.338, 69.878

80, 26.704, 71.152

84, 18.444, 72.413

87, 10.561, 73.651

90, 3.035, 74.788

94, 4.162, 256.229

97, 6.681, 220.793

Harmonies

Complementary

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



68, 62.394, 65.781



59, 50.909, 273.358

Rectangle

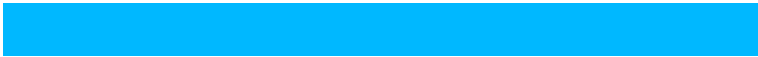
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68, 62.394, 65.781



68, 62.394, 115.781



68, 62.394, 245.781



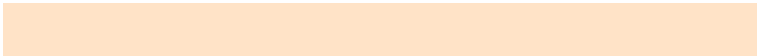
68, 62.394, 295.781

Sweetspot

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



68, 62.393, 65.784



92, 18.042, 72.670



54, 71.412, 353.807



48, 12.202, 72.330



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, 62.393, 65.784



70, 79.707, 62.869



89, 79.746, 103.658



46, 4.150, 74.217



48, 65.189, 60.702



12, 20.922, 60.622

Inverse Universe

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



59, 50.909, 273.358



59, 65.544, 279.996



38, 101.778, 302.814



46, 4.059, 256.724



39, 55.135, 283.958



9, 19.784, 275.279

Previews

White Background



This preview shows how the CIELCh color 68, 62.394, 65.781 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, 62.394, 65.781 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, 62.394, 65.781

Background



This preview shows how black text looks on a background with the CIELCh color 68, 62.394, 65.781.



This preview shows how white text looks on a background with the CIELCh color 68, 62.394, 65.781.

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, 62.394, 65.781

Protanopia

68, 52.895, 95.412

Deuteranopia

68, 58.425, 81.371



Tritanopia
68, 40.757, 16.261

Trichromacy



Original Color
68, 62.394, 65.781

Protanomaly
68, 54.175, 83.607

Deuteranomaly
68, 59.567, 75.561

Tritanomaly
68, 44.253, 40.646

Monochromacy



Original Color
68, 62.394, 65.781

Achromatopsia
67, 0.008, 296.813

Achromatomaly
66, 21.678, 71.328

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 62.394, 65.781 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, 146, 60)` looks like.

```
.text, #text, p{  
    color:rgb(232, 146, 60)  
}
```

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, 146, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 146, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 62.394, 65.781 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, 146, 60) }
```

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

```
.border{ border-color:rgb(232, 146, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 146, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 146, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 146, 60);  
box-shadow:4px 4px 4px 4px rgb(232, 146,  
60) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 62.394, 65.781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 146, 60) }
```

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

```
.background{ background-color: rgb(232,  
146, 60) }
```

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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