

Converting Colors

CIELCh(68, 67.939, 62.887)

Have a look what the booklet for
CIELCh(68, 67.939, 62.887) contains.

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Color

CIELCh(68, 68.026, 62.704)

Conversions

Conversions Part 1

Format	Color
Hex	F08D34
RGB	240, 141, 52
RGB Percent	94%, 55%, 20%
CMY	0.0575, 0.4459, 0.7949
CMYK	0.00, 0.41, 0.78, 0.06
HSL	28°, 87%, 57%
HSV	28°, 78%, 94%
XYZ	46.2470, 37.9720, 8.1758
YIQ	160.4550, 87.5730, -6.6910

Conversions

Conversions Part 2

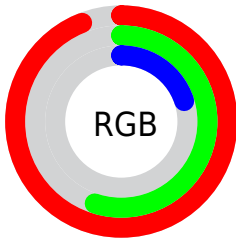
Format	Color
R _Y B	240, 221, 52
Decimal	15764788
CIE Lab	68.00, 31.20, 60.45
CIE LCh	68, 68.026, 62.704
Yxy	37.9720, 0.5005, 0.4110
Android (android.graphics.Color)	4293954868 (0xFFFF08D34)
YUV	160.4550, -53.4683, 69.7610
Hunter-Lab	61.6215, 26.1270, 35.2685

Details

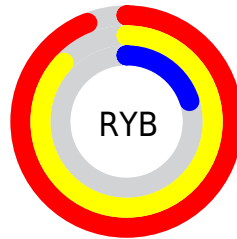
The CIELCh color **68, 68.026, 62.704** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **61, 52.700, 272.105**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 54.114, 77.308**, and **48, 64.907, 61.166** is the 20% darker color. If you saturate the color by 10%, you get **65, 76.088, 60.844**, and if you desaturate by 10%, it is **71, 58.787, 64.155**.

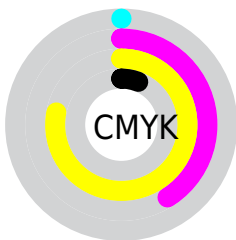
Distribution



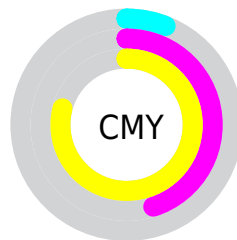
- Red (94%)
- Green (55%)
- Blue (20%)



- Red (94%)
- Yellow (87%)
- Blue (20%)



- Cyan (0%)
- Magenta (41%)
- Yellow (78%)
- Black (6%)



- Cyan (6%)
- Magenta (45%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 68.026, 62.704 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, 68.026, 62.704 by changing the saturation by 10% instead.

68, 68.026, 62.704

68, 68.026, 62.704

100, 68.026,
62.704

58, 68.026, 62.704

88, 68.026, 62.704

48, 68.026, 62.704

98, 68.026, 62.704

38, 68.026, 62.704

28, 68.026, 62.704

18, 68.026, 62.704

8, 68.026, 62.704

0, 68.026, 62.704

68, 68.026, 62.704

68, 68.026, 62.704

65, 76.088, 60.844

71, 58.787, 64.155

63, 81.872, 58.228

74, 49.241, 65.431

62, 82.797, 57.766

78, 39.837, 66.650

81, 30.777, 67.856

85, 22.136, 69.061

88, 13.927, 70.259

92, 6.130, 71.420

96, 1.288, 253.025

99, 5.045, 199.217

Harmonies

Complementary

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



68, 68.026, 62.704



61, 52.700, 272.105

Rectangle

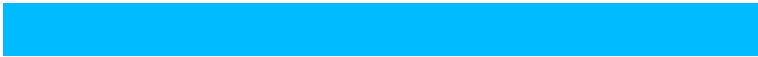
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68, 68.026, 62.704



68, 68.026, 112.704



68, 68.026, 242.704



68, 68.026, 292.704

Sweetspot

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



68, 68.024, 62.707



91, 18.659, 69.682



55, 76.619, 352.437



47, 13.039, 69.247



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, 68.024, 62.707



67, 83.538, 59.346



91, 82.749, 101.628



48, 4.232, 71.282



48, 67.375, 58.463



13, 23.442, 58.414

Inverse Universe

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



61, 52.700, 272.105



59, 65.647, 279.488



38, 107.013, 302.802



48, 4.121, 253.743



41, 53.441, 281.295



11, 20.399, 273.352

Previews

White Background



This preview shows how the CIELCh color 68, 68.026, 62.704 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, 68.026, 62.704 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, 68.026, 62.704

Background



This preview shows how black text looks on a background with the CIELCh color 68, 68.026, 62.704.



This preview shows how white text looks on a background with the CIELCh color 68, 68.026, 62.704.

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, 68.026, 62.704

Protanopia

68, 55.949, 95.100

Deuteranopia

68, 62.319, 81.901



Tritanopia
68, 46.248, 17.921

Trichromacy



Original Color
68, 68.026, 62.704

Protanomaly
68, 57.454, 81.509

Deuteranomaly
68, 63.460, 74.606

Tritanomaly
68, 50.323, 39.701

Monochromacy



Original Color
68, 68.026, 62.704

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 24.034, 68.673

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 68.026, 62.704 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(240, 141, 52)` looks like.

```
.text, #text, p{  
    color:rgb(240, 141, 52)  
}
```

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(240, 141, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 141, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 68.026, 62.704 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(240, 141, 52) }
```

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

```
.border{ border-color:rgb(240, 141, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 141, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 141, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 141, 52);  
box-shadow:4px 4px 4px 4px rgb(240, 141,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 68.026, 62.704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 141, 52) }
```

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

```
.background{ background-color: rgb(240,  
141, 52) }
```

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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