

Converting Colors

CIELCh(67, 73.351, 62.444)

Have a look what the booklet for
CIELCh(67, 73.351, 62.444) contains.

| | |
|--|----|
| CIELCh(67, 73.408, 62.253) | 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(67, 73.408, 62.253)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F28826 |
| RGB | 242, 136, 38 |
| RGB Percent | 95%, 53%, 15% |
| CMY | 0.0509, 0.4666, 0.8509 |
| CMYK | 0.00, 0.44, 0.84, 0.05 |
| HSL | 29°, 89%, 55% |
| HSV | 29°, 84%, 95% |
| XYZ | 45.7795, 36.6320, 6.4928 |
| YIQ | 156.5220, 94.6340, -8.0060 |

Conversions

Conversions Part 2

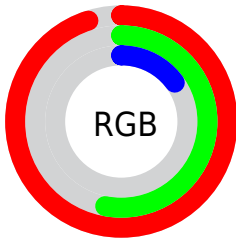
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 242, 227, 38 |
| Decimal | 15894566 |
| CIE Lab | 67.00, 34.18, 64.97 |
| CIE LCh | 67, 73.408, 62.253 |
| Yxy | 36.6320, 0.5149, 0.4120 |
| Android (android.graphics.Color) | 4294084646 (0xFFFF28826) |
| YUV | 156.5220, -58.4313, 74.9642 |
| Hunter-Lab | 60.5244, 29.0964, 36.0067 |

Details

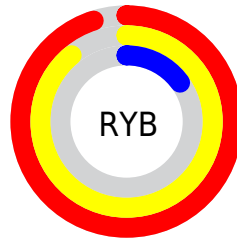
The CIELCh color **67, 73.408, 62.253** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **59, 57.505, 275.614**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 58.535, 76.468**, and **47, 66.041, 58.663** is the 20% darker color. If you saturate the color by 10%, you get **64, 80.087, 59.918**, and if you desaturate by 10%, it is **70, 64.781, 63.951**.

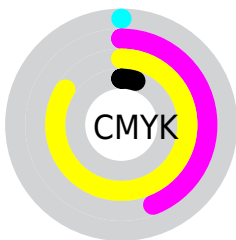
Distribution



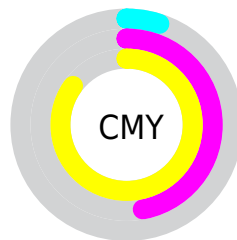
- Red (95%)
- Green (53%)
- Blue (15%)



- Red (95%)
- Yellow (89%)
- Blue (15%)



- Cyan (0%)
- Magenta (44%)
- Yellow (84%)
- Black (5%)



- Cyan (5%)
- Magenta (47%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 73.408, 62.253 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 67, 73.408, 62.253 by changing the saturation by 10% instead.

67, 73.408, 62.253

67, 73.408, 62.253

100, 73.408,
62.253

57, 73.408, 62.253

87, 73.408, 62.253

47, 73.408, 62.253

97, 73.408, 62.253

37, 73.408, 62.253

27, 73.408, 62.253

17, 73.408, 62.253

7, 73.408, 62.253

0, 73.408, 62.253

67, 73.408, 62.253

67, 73.408, 62.253

64, 80.087, 59.918

70, 64.781, 63.951

63, 82.958, 58.312

73, 55.351, 65.344

76, 45.805, 66.618

80, 36.486, 67.853

83, 27.538, 69.080

87, 19.011, 70.301

90, 10.903, 71.507

94, 3.189, 72.617

98, 3.834, 250.213

Harmonies

Complementary

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



67, 73.408, 62.253



59, 57.505, 275.614

Rectangle

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



67, 73.408, 62.253



67, 73.408, 112.253



67, 73.408, 242.253



67, 73.408, 292.253

Sweetspot

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



67, 73.406, 62.256



90, 20.454, 70.207



54, 79.455, 354.107



47, 14.082, 69.777



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 73.406, 62.256



66, 86.366, 58.197



91, 86.534, 101.288



48, 4.249, 72.070



48, 67.158, 59.026



13, 23.429, 59.156

Inverse Universe

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



59, 57.505, 275.614



56, 70.774, 283.062



35, 115.110, 304.026



48, 4.143, 254.549



41, 54.220, 282.054



10, 20.654, 274.171

Previews

White Background



This preview shows how the CIELCh color 67, 73.408, 62.253 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 67, 73.408, 62.253 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 67, 73.408, 62.253

Background



This preview shows how black text looks on a background with the CIELCh color 67, 73.408, 62.253.



This preview shows how white text looks on a background with the CIELCh color 67, 73.408, 62.253.

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

67, 73.408, 62.253

Protanopia

67, 60.442, 95.626

Deuteranopia

67, 66.720, 82.654



Tritanopia
67, 49.017, 19.365

Trichromacy



Original Color
67, 73.408, 62.253

Protanomaly
67, 62.083, 82.036

Deuteranomaly
67, 67.944, 74.572

Tritanomaly
67, 54.789, 41.022

Monochromacy



Original Color
67, 73.408, 62.253

Achromatopsia
65, 0.008, 296.813

Achromatomaly
64, 25.982, 67.761

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 73.408, 62.253 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(242, 136, 38)` looks like.

```
.text, #text, p{  
    color:rgb(242, 136, 38)  
}
```

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(242, 136, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 136, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 73.408, 62.253 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(242, 136, 38) }
```

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

```
.border{ border-color:rgb(242, 136, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 136, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 136, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 136, 38);  
box-shadow:4px 4px 4px 4px rgb(242, 136,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 73.408, 62.253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 136, 38) }
```

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

```
.background{ background-color: rgb(242,  
136, 38) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor