

Converting Colors

CIELCh(69, 76.718, 62.171)

Have a look what the booklet for
CIELCh(69, 76.718, 62.171) contains.

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Color

CIELCh(69, 76.614, 62.232)

Conversions

Conversions Part 1

Format	Color
Hex	FB8C24
RGB	251, 140, 36
RGB Percent	98%, 55%, 14%
CMY	0.0161, 0.4513, 0.8592
CMYK	0.00, 0.44, 0.86, 0.02
HSL	29°, 96%, 56%
HSV	29°, 86%, 98%
XYZ	49.4247, 39.3444, 6.6496
YIQ	161.3330, 99.5400, -8.8120

Conversions

Conversions Part 2

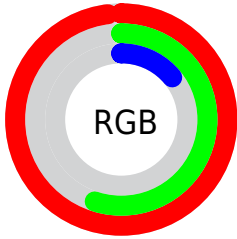
Format	Color
R _Y B	251, 237, 36
Decimal	16485412
CIE Lab	69.00, 35.69, 67.79
CIE LCh	69, 76.614, 62.232
Yxy	39.3444, 0.5180, 0.4123
Android (android.graphics.Color)	4294675492 (0xFFFB8C24)
YUV	161.3330, -61.7892, 78.6380
Hunter-Lab	62.7251, 30.8813, 37.6221

Details

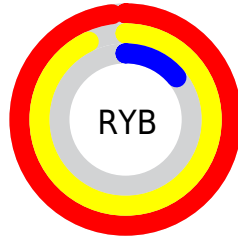
The CIELCh color **69, 76.614, 62.232** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **60, 60.508, 276.708**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 59.555, 78.813**, and **49, 68.766, 57.989** is the 20% darker color. If you saturate the color by 10%, you get **66, 83.007, 59.738**, and if you desaturate by 10%, it is **72, 68.000, 64.023**.

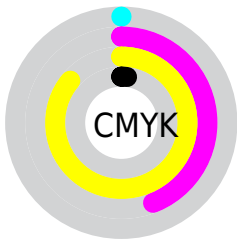
Distribution



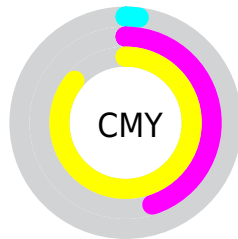
- Red (98%)
- Green (55%)
- Blue (14%)



- Red (98%)
- Yellow (93%)
- Blue (14%)



- Cyan (0%)
- Magenta (44%)
- Yellow (86%)
- Black (2%)



- Cyan (2%)
- Magenta (45%)
- Yellow (86%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 76.614, 62.232 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 69, 76.614, 62.232 by changing the saturation by 10% instead.

 69, 76.614, 62.232

 69, 76.614, 62.232

 100, 76.614,
62.232

 59, 76.614, 62.232

 89, 76.614, 62.232

 49, 76.614, 62.232

 99, 76.614, 62.232

 39, 76.614, 62.232

 29, 76.614, 62.232

 19, 76.614, 62.232

 9, 76.614, 62.232

 0, 76.614, 62.232

 69, 76.614, 62.232

 69, 76.614, 62.232

 66, 83.007, 59.738

 72, 68.000, 64.023

65, 85.153, 58.506

75, 58.390, 65.464

78, 48.568, 66.765

82, 38.934, 68.018

85, 29.662, 69.257

89, 20.813, 70.490

93, 12.395, 71.709

96, 4.383, 72.862

100, 1.428,
199.779

Harmonies

Complementary

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



69, 76.614, 62.232



60, 60.508, 276.708

Rectangle

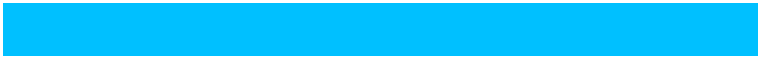
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69, 76.614, 62.232



69, 76.614, 112.232



69, 76.614, 242.232



69, 76.614, 292.232

Sweetspot

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



69, 76.612, 62.235



90, 21.360, 70.450



56, 81.658, 355.920



47, 14.608, 70.023



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 76.612, 62.235



66, 86.227, 58.470



95, 90.733, 102.186



50, 4.406, 72.442



50, 68.467, 59.220



15, 25.847, 60.017

Inverse Universe

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



60, 60.508, 276.708



56, 71.274, 283.416



36, 121.555, 304.655



50, 4.298, 254.939



42, 55.827, 282.509



12, 22.298, 275.471

Previews

White Background



This preview shows how the CIELCh color 69, 76.614, 62.232 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 69, 76.614, 62.232 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 69, 76.614, 62.232

Background



This preview shows how black text looks on a background with the CIELCh color 69, 76.614, 62.232.



This preview shows how white text looks on a background with the CIELCh color 69, 76.614, 62.232.

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

69, 76.614, 62.232

Protanopia

69, 63.153, 95.053

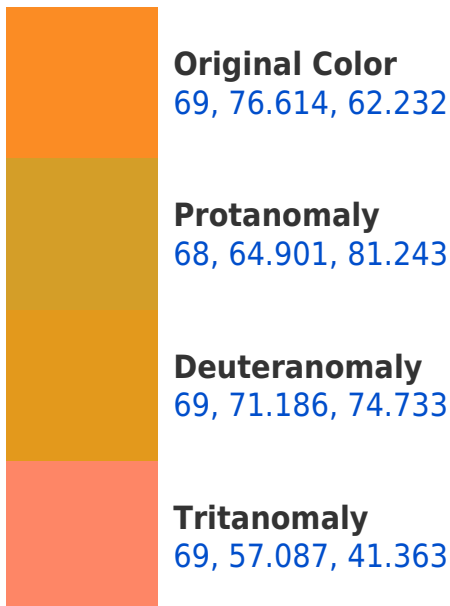
Deuteranopia

69, 69.807, 82.744



Tritanopia
69, 50.801, 19.667

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 76.614, 62.232 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(251, 140, 36)` looks like.

```
.text, #text, p{  
    color:rgb(251, 140, 36)  
}
```

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(251, 140, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 140, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 76.614, 62.232 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(251, 140, 36) }
```

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

```
.border{ border-color:rgb(251, 140, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 140, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 140, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 140, 36);  
box-shadow:4px 4px 4px 4px rgb(251, 140,  
36) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 76.614, 62.232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 140, 36) }
```

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

```
.background{ background-color: rgb(251,  
140, 36) }
```

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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