

Converting Colors

CIELCh(69, 82.532, 64.650)

Have a look what the booklet for
CIELCh(69, 82.532, 64.650) contains.

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Color

CIELCh(69, 82.408, 64.676)

Conversions

Conversions Part 1

Format	Color
Hex	FB8C03
RGB	251, 140, 3
RGB Percent	98%, 55%, 1%
CMY	0.0150, 0.4504, 0.9869
CMYK	0.00, 0.44, 0.99, 0.02
HSL	33°, 97%, 50%
HSV	33°, 99%, 98%
XYZ	49.2608, 39.3444, 5.0934
YIQ	157.5710, 110.1330, -19.0750

Conversions

Conversions Part 2

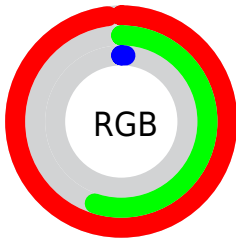
Format	Color
R_{YB}	204, 251, 3
Decimal	16485379
CIE _{Lab}	69.00, 35.25, 74.49
CIE _{LCh}	69, 82.408, 64.676
Yxy	39.3444, 0.5257, 0.4199
Android (android.graphics.Color)	4294675459 (0xFFFB8C03)
YUV	157.5710, -76.2035, 81.9372
Hunter-Lab	62.7251, 30.4149, 39.0931

Details

The CIELCh color **69, 82.408, 64.676** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark saturated orange. A complement of this color would be **51, 79.499, 289.074**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 66.078, 80.699**, and **49, 68.239, 58.619** is the 20% darker color. If you saturate the color by 10%, you get **69, 82.951, 64.294**, and if you desaturate by 10%, it is **71, 77.750, 67.511**.

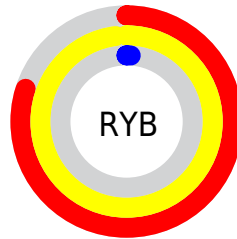
Distribution



Red (98%)

Green (55%)

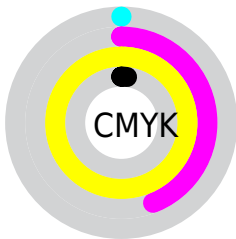
Blue (1%)



Red (80%)

Yellow (98%)

Blue (1%)

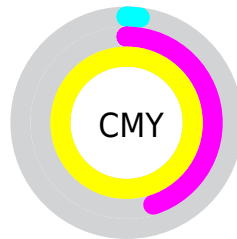


Cyan (0%)

Magenta (44%)

Yellow (99%)

Black (2%)



Cyan (2%)

Magenta (45%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 82.408, 64.676 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, 82.408, 64.676 by changing the saturation by 10% instead.

69, 82.408, 64.676

69, 82.408, 64.676

100, 82.408,
64.676

59, 82.408, 64.676

89, 82.408, 64.676

49, 82.408, 64.676

99, 82.408, 64.676

39, 82.408, 64.676

29, 82.408, 64.676

19, 82.408, 64.676

9, 82.408, 64.676

0, 82.408, 64.676

69, 82.408, 64.676

69, 82.408, 64.676

69, 82.951, 64.294

71, 77.750, 67.511

74, 70.549, 69.657

77, 61.768, 71.386

80, 52.335, 72.913

83, 42.790, 74.347

86, 33.405, 75.733

89, 24.300, 77.088

92, 15.521, 78.411

96, 7.068, 79.683

Harmonies

Complementary

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



69, 82.408, 64.676



51, 79.499, 289.074

Rectangle

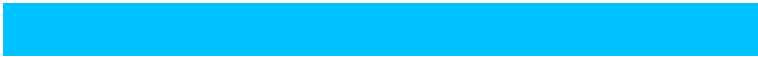
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69, 82.408, 64.676



69, 82.408, 114.676



69, 82.408, 244.676



69, 82.408, 294.676

Sweetspot

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



69, 82.406, 64.678



90, 25.807, 76.907



54, 83.252, 7.195



47, 17.750, 76.337



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, 82.406, 64.678



70, 83.918, 64.263



95, 95.761, 105.978



50, 4.622, 79.582



53, 66.754, 64.986



16, 25.929, 66.964

Inverse Universe

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



51, 79.499, 289.074



51, 81.645, 289.649



32, 131.479, 306.313



49, 4.554, 262.165



38, 63.869, 288.830



10, 25.190, 282.369

Previews

White Background



This preview shows how the CIELCh color 69, 82.408, 64.676 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, 82.408, 64.676 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, 82.408, 64.676

Background



This preview shows how black text looks on a background with the CIELCh color 69, 82.408, 64.676.

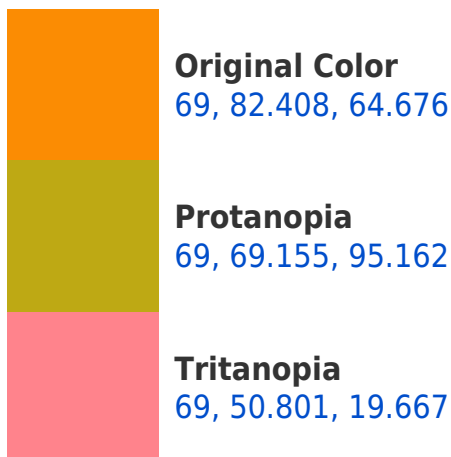


This preview shows how white text looks on a background with the CIELCh color 69, 82.408, 64.676.

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



Trichromacy



Original Color
69, 82.408, 64.676

Protanomaly
69, 71.105, 82.914

Tritanomaly
69, 60.794, 46.199

Monochromacy



Original Color
69, 82.408, 64.676

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 33.047, 75.041

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 82.408, 64.676 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, 3)` looks like.

```
.text, #text, p{  
    color:rgb(251, 140, 3)  
}
```

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, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 140, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 82.408, 64.676 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, 3) }
```

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

```
.border{ border-color:rgb(251, 140, 3) }
```

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, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 140, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 140, 3);  
box-shadow:4px 4px 4px 4px rgb(251, 140,  
3) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 82.408, 64.676 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, 3) }
```

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

```
.background{ background-color: rgb(251,  
140, 3) }
```

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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