

Converting Colors

CIELCh(69, 83.544, 64.212)

Have a look what the booklet for
CIELCh(69, 83.544, 64.212) contains.

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Color

CIELCh(69, 83.484, 64.045)

Conversions

Conversions Part 1

Format	Color
Hex	FD8B00
RGB	253, 139, 0
RGB Percent	99%, 55%, 0%
CMY	0.0079, 0.4549, 1.0000
CMYK	0.00, 0.45, 1.00, 0.01
HSL	33°, 100%, 50%
HSV	33°, 100%, 99%
XYZ	49.7366, 39.3444, 4.9725
YIQ	157.2400, 112.5630, -19.0610

Conversions

Conversions Part 2

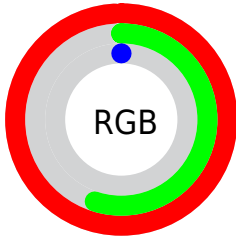
Format	Color
RYB	207, 253, 0
Decimal	16616192
CIELab	69.00, 36.54, 75.06
CIELCh	69, 83.484, 64.045
Yxy	39.3444, 0.5288, 0.4183
Android (android.graphics.Color)	4294806272 (0xFFFD8B00)
YUV	157.2400, -77.5193, 83.9815
Hunter-Lab	62.7251, 31.7691, 39.2074

Details

The CIELCh color **69, 83.484, 64.045** 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, 80.717, 289.419**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 66.309, 80.320**, and **49, 69.300, 57.376** is the 20% darker color. If you saturate the color by 10%, you get **69, 83.481, 64.047**, and if you desaturate by 10%, it is **71, 79.007, 66.937**.

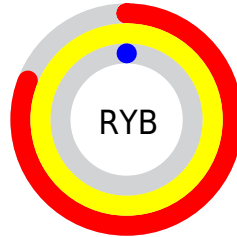
Distribution



Red (99%)

Green (55%)

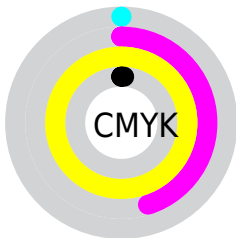
Blue (0%)



Red (81%)

Yellow (99%)

Blue (0%)

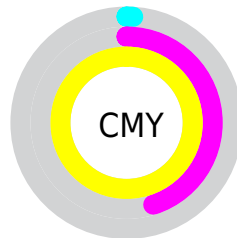


Cyan (0%)

Magenta (45%)

Yellow (100%)

Black (1%)



Cyan (1%)

Magenta (45%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 83.484, 64.045 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, 83.484, 64.045 by changing the saturation by 10% instead.

 69, 83.484, 64.045

 69, 83.484, 64.045

 100, 83.484,
64.045

 59, 83.484, 64.045

 89, 83.484, 64.045

 49, 83.484, 64.045

 99, 83.484, 64.045

 39, 83.484, 64.045

 29, 83.484, 64.045

 19, 83.484, 64.045

 9, 83.484, 64.045

 0, 83.484, 64.045

 69, 83.484, 64.045

 69, 83.484, 64.045

 69, 83.481, 64.047

 71, 79.007, 66.937

74, 72.037, 69.162

77, 63.331, 70.928

80, 53.877, 72.470

83, 44.265, 73.909

86, 34.794, 75.297

89, 25.601, 76.654

93, 16.735, 77.980

96, 8.204, 79.260

Harmonies

Complementary

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



69, 83.484, 64.045



51, 80.717, 289.419

Rectangle

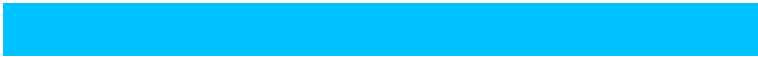
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69, 83.484, 64.045



69, 83.484, 114.045



69, 83.484, 244.045



69, 83.484, 294.045

Sweetspot

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



69, 83.481, 64.047



90, 25.766, 76.652



54, 83.921, 6.196



46, 17.723, 76.083



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, 83.481, 64.047



70, 83.989, 64.031



96, 96.424, 104.954



51, 4.689, 79.320



53, 67.484, 64.719



17, 27.086, 66.797

Inverse Universe

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



51, 80.717, 289.419



51, 81.238, 289.438



32, 132.871, 306.353



50, 4.619, 261.907



39, 64.254, 288.657



11, 25.941, 282.508

Previews

White Background



This preview shows how the CIELCh color 69, 83.484, 64.045 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, 83.484, 64.045 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, 83.484, 64.045

Background



This preview shows how black text looks on a background with the CIELCh color 69, 83.484, 64.045.



This preview shows how white text looks on a background with the CIELCh color 69, 83.484, 64.045.

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, 83.484, 64.045

Protanopia

69, 68.964, 95.160

Deuteranopia

69, 73.163, 83.307



Tritanopia
69, 50.801, 19.667

Trichromacy



Original Color
69, 83.484, 64.045

Protanomaly
68, 71.323, 82.154

Deuteranomaly
69, 75.823, 75.217

Tritanomaly
69, 61.119, 46.567

Monochromacy



Original Color
69, 83.484, 64.045

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 33.657, 73.737

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 83.484, 64.045 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(253, 139, 0)` looks like.

```
.text, #text, p{  
    color:rgb(253, 139, 0)  
}
```

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(253, 139, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 139, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 83.484, 64.045 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(253, 139, 0) }
```

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

```
.border{ border-color:rgb(253, 139, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 139, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 139, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 139, 0);  
box-shadow:4px 4px 4px 4px rgb(253, 139,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 83.484, 64.045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 139, 0) }
```

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

```
.background{ background-color: rgb(253,  
139, 0) }
```

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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