

Converting Colors

CIELCh(70, 83.456, 65.750)

Have a look what the booklet for
CIELCh(70, 83.456, 65.750) contains.

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Color

CIELCh(70, 82.995, 65.826)

Conversions

Conversions Part 1

Format	Color
Hex	FD9000
RGB	253, 144, 0
RGB Percent	99%, 56%, 0%
CMY	0.0086, 0.4358, 1.0000
CMYK	0.00, 0.43, 1.00, 0.01
HSL	34°, 100%, 50%
HSV	34°, 100%, 99%
XYZ	50.3911, 40.7494, 5.1993
YIQ	160.1750, 111.1880, -21.6760

Conversions

Conversions Part 2

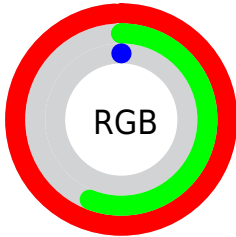
Format	Color
R _Y B	192, 253, 0
Decimal	16617472
CIE Lab	70.00, 33.99, 75.72
CIE LCh	70, 82.995, 65.826
Yxy	40.7494, 0.5231, 0.4230
Android (android.graphics.Color)	4294807552 (0xFFFD9000)
YUV	160.1750, -78.9663, 81.4075
Hunter-Lab	63.8353, 29.1948, 39.8556

Details

The CIELCh color **70, 82.995, 65.826** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **50, 83.734, 290.968**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 67.142, 82.677**, and **50, 68.461, 59.451** is the 20% darker color. If you saturate the color by 10%, you get **70, 82.952, 65.814**, and if you desaturate by 10%, it is **72, 78.764, 68.691**.

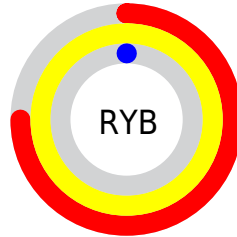
Distribution



Red (99%)

Green (56%)

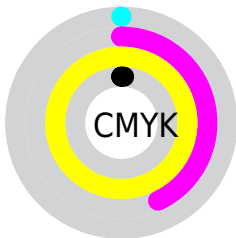
Blue (0%)



Red (75%)

Yellow (99%)

Blue (0%)

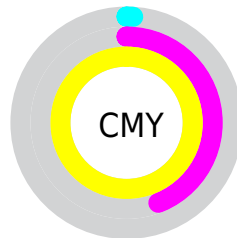


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (1%)



Cyan (1%)

Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 82.995, 65.826 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 70, 82.995, 65.826 by changing the saturation by 10% instead.

 70, 82.995, 65.826

 70, 82.995, 65.826

 100, 82.995,
65.826

 60, 82.995, 65.826

 90, 82.995, 65.826

 50, 82.995, 65.826

 40, 82.995, 65.826

 30, 82.995, 65.826

 20, 82.995, 65.826

 10, 82.995, 65.826

 0, 82.995, 65.826

 70, 82.995, 65.826

 70, 82.995, 65.826

 70, 82.952, 65.814

 72, 78.764, 68.691

75, 72.052, 70.930

78, 63.534, 72.725

80, 54.191, 74.298

83, 44.624, 75.765

86, 35.148, 77.177

90, 25.909, 78.553

93, 16.966, 79.893

96, 8.329, 81.185

Harmonies

Complementary

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



70, 82.995, 65.826



50, 83.734, 290.968

Rectangle

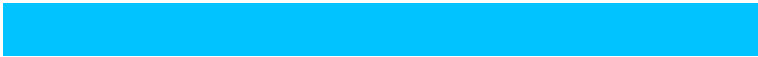
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70, 82.995, 65.826



70, 82.995, 115.826



70, 82.995, 245.826



70, 82.995, 295.826

Sweetspot

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



70, 82.952, 65.814



90, 26.091, 78.551



54, 83.999, 9.496



47, 17.933, 77.975



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 82.952, 65.814



71, 83.499, 65.796



95, 96.614, 107.032



51, 4.764, 81.246



54, 67.124, 66.470



17, 27.175, 68.768

Inverse Universe

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



50, 83.734, 290.968



50, 84.321, 290.987



32, 132.634, 306.431



50, 4.706, 263.837



38, 66.680, 290.232



10, 26.858, 284.248

Previews

White Background



This preview shows how the CIELCh color 70, 82.995, 65.826 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 70, 82.995, 65.826 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 70, 82.995, 65.826

Background



This preview shows how black text looks on a background with the CIELCh color 70, 82.995, 65.826.



This preview shows how white text looks on a background with the CIELCh color 70, 82.995, 65.826.

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

70, 82.995, 65.826

Protanopia

70, 70.138, 95.290

Deuteranopia

70, 74.185, 83.279



Tritanopia
70, 48.512, 19.020

Trichromacy



Original Color
70, 82.995, 65.826

Protanomaly
70, 72.137, 83.256

Deuteranomaly
70, 76.377, 76.310

Tritanomaly
70, 59.309, 47.997

Monochromacy



Original Color
70, 82.995, 65.826

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 33.905, 75.880

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 82.995, 65.826 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, 144, 0)` looks like.

```
.text, #text, p{  
    color:rgb(253, 144, 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, 144, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 144, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 82.995, 65.826 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, 144, 0) }
```

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

```
.border{ border-color:rgb(253, 144, 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, 144, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 144, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 144, 0);  
box-shadow:4px 4px 4px 4px rgb(253, 144,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 82.995, 65.826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 144, 0) }
```

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

```
.background{ background-color: rgb(253,  
144, 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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