

Converting Colors

CIELCh(70, 83.602, 65.394)

Have a look what the booklet for
CIELCh(70, 83.602, 65.394) contains.

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Color

CIELCh(70, 83.389, 65.257)

Conversions

Conversions Part 1

Format	Color
Hex	FE8F00
RGB	254, 143, 0
RGB Percent	100%, 56%, 0%
CMY	0.0036, 0.4389, 0.9994
CMYK	0.00, 0.44, 1.00, 0.00
HSL	34°, 100%, 50%
HSV	34°, 100%, 100%
XYZ	50.7337, 40.7494, 5.1957
YIQ	159.8870, 112.0590, -20.9410

Conversions

Conversions Part 2

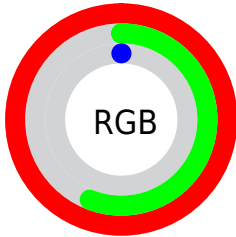
Format	Color
R _Y B	197, 254, 0
Decimal	16682752
CIE Lab	70.00, 34.90, 75.73
CIE LCh	70, 83.389, 65.257
Yxy	40.7494, 0.5248, 0.4215
Android (android.graphics.Color)	4294872832 (0xFFFE8F00)
YUV	159.8870, -78.8243, 82.5371
Hunter-Lab	63.8353, 30.1529, 39.8589

Details

The CIELCh color **70, 83.389, 65.257** 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 **50, 83.040, 290.475**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 66.966, 82.211**, and **50, 68.976, 58.811** is the 20% darker color. If you saturate the color by 10%, you get **70, 83.412, 65.241**, and if you desaturate by 10%, it is **72, 79.093, 68.145**.

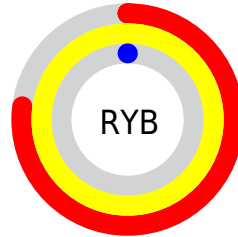
Distribution



Red (100%)

Green (56%)

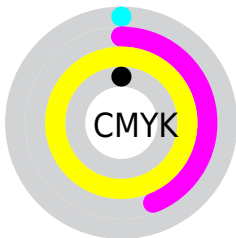
Blue (0%)



Red (77%)

Yellow (100%)

Blue (0%)

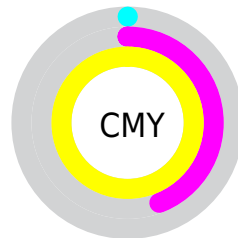


Cyan (0%)

Magenta (44%)

Yellow (100%)

Black (0%)



Cyan (0%)

Magenta (44%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 83.389, 65.257 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, 83.389, 65.257 by changing the saturation by 10% instead.

 70, 83.389, 65.257

 70, 83.389, 65.257

 100, 83.389,
65.257

 60, 83.389, 65.257

 90, 83.389, 65.257

 50, 83.389, 65.257

 40, 83.389, 65.257

 30, 83.389, 65.257

 20, 83.389, 65.257

 10, 83.389, 65.257

 0, 83.389, 65.257

 70, 83.389, 65.257

 70, 83.389, 65.257

 70, 83.412, 65.241

 72, 79.093, 68.145

75, 72.264, 70.379

78, 63.649, 72.166

81, 54.234, 73.730

84, 44.617, 75.189

87, 35.108, 76.595

90, 25.851, 77.965

93, 16.900, 79.302

96, 8.267, 80.591

Harmonies

Complementary

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



70, 83.389, 65.257



50, 83.040, 290.475

Rectangle

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



70, 83.389, 65.257



70, 83.389, 115.257



70, 83.389, 245.257



70, 83.389, 295.257

Sweetspot

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



70, 83.387, 65.259



90, 25.985, 77.956



54, 84.202, 7.828



47, 17.865, 77.382



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, 83.387, 65.259



70, 83.644, 65.234



96, 96.829, 105.996



51, 4.740, 80.644



54, 67.230, 65.913



17, 27.143, 68.146

Inverse Universe

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



50, 83.040, 290.475



50, 83.343, 290.509



32, 133.200, 306.384



50, 4.678, 263.235



38, 65.910, 289.745



10, 26.566, 283.709

Previews

White Background



This preview shows how the CIELCh color 70, 83.389, 65.257 looks on a white background.

Color Contrast Check

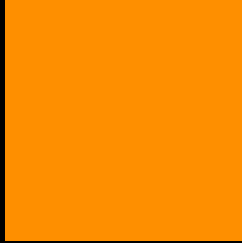
Large Text (above 18pt) WCAG AA × Fail

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, 83.389, 65.257 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, 83.389, 65.257

Background



This preview shows how black text looks on a background with the CIELCh color 70, 83.389, 65.257.



This preview shows how white text looks on a background with the CIELCh color 70, 83.389, 65.257.

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, 83.389, 65.257

Protanopia

70, 70.138, 95.290

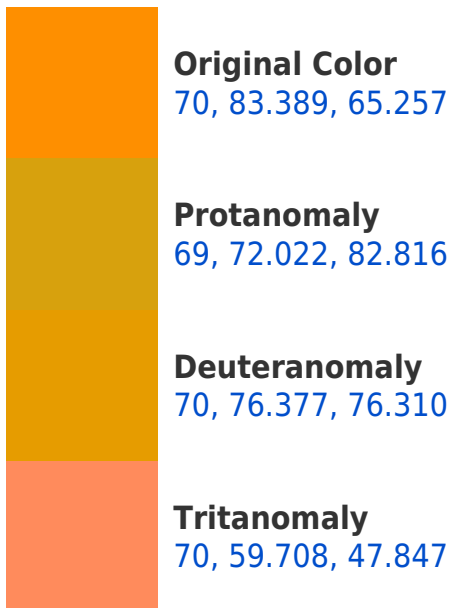
Deuteranopia

70, 74.185, 83.279



Tritanopia
70, 48.592, 19.647

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 83.389, 65.257 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(254, 143, 0)` looks like.

```
.text, #text, p{  
    color:rgb(254, 143, 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(254, 143, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 143, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 83.389, 65.257 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(254, 143, 0) }
```

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

```
.border{ border-color:rgb(254, 143, 0) }
```

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

Here you see how a box with a 4 pixel rgb(254, 143, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 143, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 143, 0);  
box-shadow:4px 4px 4px 4px rgb(254, 143,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 83.389, 65.257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 143, 0) }
```

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

```
.background{ background-color: rgb(254,  
143, 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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