

Converting Colors

CIELCh(65, 87.147, 56.759)

Have a look what the booklet for
CIELCh(65, 87.147, 56.759) contains.

CIELCh(65, 87.113, 56.819)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(65, 87.113, 56.819)

Conversions

Conversions Part 1

Format	Color
Hex	FF7600
RGB	255, 118, 0
RGB Percent	100%, 46%, 0%
CMY	0.0017, 0.5386, 1.0000
CMYK	0.00, 0.54, 1.00, 0.00
HSL	28°, 100%, 50%
HSV	28°, 100%, 100%
XYZ	47.5103, 34.0472, 4.0472
YIQ	145.5110, 119.5300, -7.6540

Conversions

Conversions Part 2

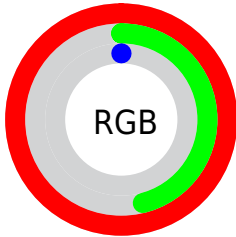
Format	Color
R _Y B	255, 220, 0
Decimal	16741888
CIE Lab	65.00, 47.68, 72.91
CIE LCh	65, 87.113, 56.819
Yxy	34.0472, 0.5550, 0.3977
Android (android.graphics.Color)	4294931968 (0xFFFF7600)
YUV	145.5110, -71.7369, 96.0219
Hunter-Lab	58.3500, 43.2278, 36.7326

Details

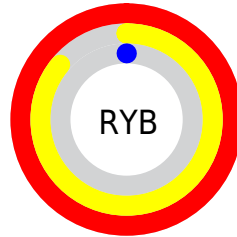
The CIELCh color **65, 87.113, 56.819** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **57, 68.059, 281.102**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 65.765, 71.017**, and **45, 74.114, 49.538** is the 20% darker color. If you saturate the color by 10%, you get **65, 87.021, 56.779**, and if you desaturate by 10%, it is **68, 81.233, 59.469**.

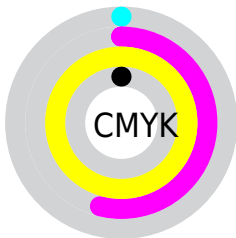
Distribution



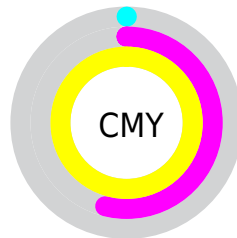
- Red (100%)
- Green (46%)
- Blue (0%)



- Red (100%)
- Yellow (86%)
- Blue (0%)



- Cyan (0%)
- Magenta (54%)
- Yellow (100%)
- Black (0%)




- Cyan (0%)
- Magenta (54%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 87.113, 56.819 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 65, 87.113, 56.819 by changing the saturation by 10% instead.

 65, 87.113, 56.819


 65, 87.113, 56.819

 100, 87.113,
56.819

 55, 87.113, 56.819

 85, 87.113, 56.819


 45, 87.113, 56.819


 95, 87.113, 56.819

 35, 87.113, 56.819

 25, 87.113, 56.819

 15, 87.113, 56.819

 5, 87.113, 56.819

 0, 87.113, 56.819

 65, 87.113, 56.819

 65, 87.113, 56.819

 65, 87.021, 56.779

 68, 81.233, 59.469

71, 73.034, 61.411

74, 63.395, 62.865

77, 53.331, 64.115

81, 43.382, 65.300

84, 33.793, 66.472

88, 24.658, 67.649

92, 15.994, 68.826

96, 7.784, 69.979

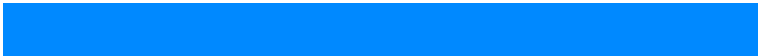
Harmonies

Complementary

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



65, 87.113, 56.819



57, 68.059, 281.102

Rectangle

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



65, 87.113, 56.819



65, 87.113, 106.819



65, 87.113, 236.819



65, 87.113, 286.819

Sweetspot

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



65, 87.021, 56.779



88, 24.693, 67.649



55, 85.415, 358.150



45, 17.043, 67.152



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 87.021, 56.779



65, 87.138, 56.775



94, 93.249, 99.518



51, 4.426, 70.034



50, 69.866, 57.484



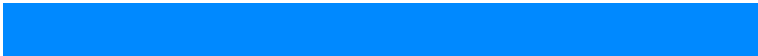
15, 27.091, 58.087

Inverse Universe

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



57, 68.059, 281.102



57, 68.154, 281.106



33, 131.666, 305.878



51, 4.302, 252.479



43, 54.001, 280.221



13, 22.170, 273.381

Previews

White Background



This preview shows how the CIELCh color 65, 87.113, 56.819 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 65, 87.113, 56.819 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 65, 87.113, 56.819

Background



This preview shows how black text looks on a background with the CIELCh color 65, 87.113, 56.819.



This preview shows how white text looks on a background with the CIELCh color 65, 87.113, 56.819.

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

65, 87.113, 56.819

Protanopia

65, 65.051, 95.494

Deuteranopia

65, 69.788, 83.291



Tritanopia
65, 59.988, 23.690

Trichromacy



Original Color
65, 87.113, 56.819

Protanomaly
64, 68.377, 77.975

Deuteranomaly
64, 73.869, 71.535

Tritanomaly
65, 69.760, 42.631

Monochromacy



Original Color
65, 87.113, 56.819

Achromatopsia
60, 0.008, 296.813

Achromatomaly
60, 33.597, 65.402

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 87.113, 56.819 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(255, 118, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 118, 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(255, 118, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 118, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 87.113, 56.819 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(255, 118, 0) }
```

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

```
.border{ border-color:rgb(255, 118, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 118, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 118, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 118, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 118,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 87.113, 56.819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 118, 0) }
```

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

```
.background{ background-color: rgb(255,  
118, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor