

Converting Colors

CIELCh(65, 87.504, 56.149)

Have a look what the booklet for
CIELCh(65, 87.504, 56.149) contains.

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Color

CIELCh(65, 87.035, 56.400)

Conversions

Conversions Part 1

Format	Color
Hex	FF7502
RGB	255, 117, 2
RGB Percent	100%, 46%, 1%
CMY	0.0000, 0.5406, 0.9911
CMYK	0.00, 0.54, 0.99, 0.00
HSL	27°, 100%, 50%
HSV	27°, 99%, 100%
XYZ	47.6861, 34.0472, 4.1232
YIQ	145.1520, 119.1630, -6.5090

Conversions

Conversions Part 2

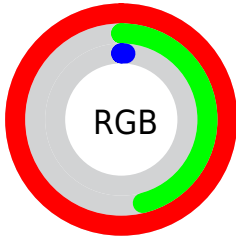
Format	Color
R_{YB}	255, 213, 2
Decimal	16741634
CIE _{Lab}	65.00, 48.16, 72.49
CIE _{LCh}	65, 87.035, 56.400
Yxy	34.0472, 0.5554, 0.3966
Android (android.graphics.Color)	4294931714 (0xFFFF7502)
YUV	145.1520, -70.5739, 96.3367
Hunter-Lab	58.3500, 43.7655, 36.6553

Details

The CIELCh color **65, 87.035, 56.400** 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 **58, 66.503, 279.836**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 65.336, 70.359**, and **45, 74.331, 49.248** is the 20% darker color. If you saturate the color by 10%, you get **65, 87.476, 56.195**, and if you desaturate by 10%, it is **68, 80.928, 59.049**.

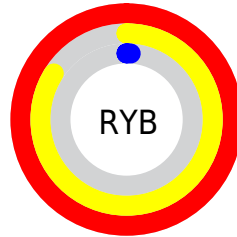
Distribution



Red (100%)

Green (46%)

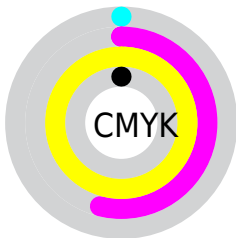
Blue (1%)



Red (100%)

Yellow (84%)

Blue (1%)

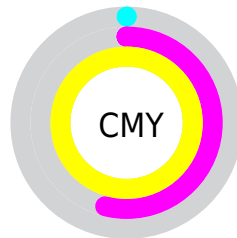


Cyan (0%)

Magenta (54%)

Yellow (99%)

Black (0%)



Cyan (0%)

Magenta (54%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 87.035, 56.400 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, 87.035, 56.400 by changing the saturation by 10% instead.

 65, 87.035, 56.400

 65, 87.035, 56.400

 100, 87.035,
56.400

 55, 87.035, 56.400

 85, 87.035, 56.400

 45, 87.035, 56.400

 95, 87.035, 56.400

 35, 87.035, 56.400

 25, 87.035, 56.400

 15, 87.035, 56.400

 5, 87.035, 56.400

 0, 87.035, 56.400

 65, 87.035, 56.400

 65, 87.035, 56.400

 65, 87.476, 56.195

 68, 80.928, 59.049

71, 72.432, 60.890

74, 62.631, 62.275

77, 52.494, 63.479

81, 42.525, 64.629

85, 32.946, 65.774

88, 23.841, 66.927

92, 15.219, 68.083

96, 7.058, 69.214

Harmonies

Complementary

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



65, 87.035, 56.400



58, 66.503, 279.836

Rectangle

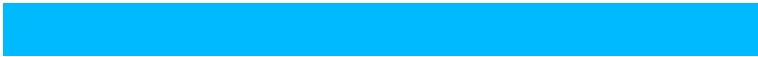
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65, 87.035, 56.400



65, 87.035, 106.400



65, 87.035, 236.400



65, 87.035, 286.400

Sweetspot

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



65, 86.979, 56.425



88, 24.630, 66.825



55, 85.478, 357.825



45, 17.005, 66.338



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, 86.979, 56.425



65, 87.476, 56.195



94, 93.235, 99.556



51, 4.409, 69.172



49, 70.126, 56.903



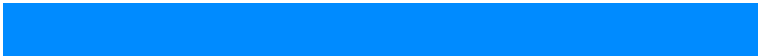
15, 27.121, 57.343

Inverse Universe

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



58, 66.503, 279.836



58, 67.079, 280.249



33, 131.413, 305.815



51, 4.280, 251.592



44, 53.161, 279.354



13, 21.869, 272.462

Previews

White Background



This preview shows how the CIELCh color 65, 87.035, 56.400 looks on a white background.

Color Contrast Check

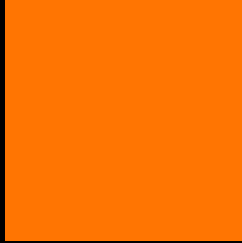
Large Text (above 18pt) WCAG AA × Fail

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, 87.035, 56.400 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, 87.035, 56.400

Background



This preview shows how black text looks on a background with the CIELCh color 65, 87.035, 56.400.



This preview shows how white text looks on a background with the CIELCh color 65, 87.035, 56.400.

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, 87.035, 56.400

Protanopia

65, 65.051, 95.494

Deuteranopia

65, 69.788, 83.291



Tritanopia
65, 60.313, 23.313

Trichromacy



Original Color
65, 87.035, 56.400

Protanomaly
64, 68.377, 77.975

Deuteranomaly
64, 73.734, 71.491

Tritanomaly
65, 69.665, 41.920

Monochromacy



Original Color
65, 87.035, 56.400

Achromatopsia
60, 0.008, 296.813

Achromatomaly
60, 33.159, 64.871

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 87.035, 56.400 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, 117, 2)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 2)  
}
```

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, 117, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 87.035, 56.400 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, 117, 2) }
```

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

```
.border{ border-color:rgb(255, 117, 2) }
```

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

Here you see how a box with a 4 pixel rgb(255, 117, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 2);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 87.035, 56.400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 2) }
```

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

```
.background{ background-color: rgb(255,  
117, 2) }
```

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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