

Converting Colors

CIELCh(65, 80.747, 55.069)

Have a look what the booklet for
CIELCh(65, 80.747, 55.069) contains.

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Color

CIELCh(65, 80.841, 54.954)

Conversions

Conversions Part 1

Format	Color
Hex	FC771F
RGB	252, 119, 31
RGB Percent	99%, 47%, 12%
CMY	0.0112, 0.5328, 0.8778
CMYK	0.00, 0.53, 0.88, 0.01
HSL	24°, 97%, 56%
HSV	24°, 88%, 99%
XYZ	47.0613, 34.0472, 5.3979
YIQ	148.7350, 107.5160, 0.8280

Conversions

Conversions Part 2

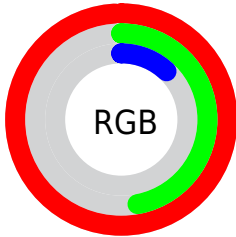
Format	Color
R_{YB}	252, 177, 31
Decimal	16545567
CIE Lab	65.00, 46.42, 66.18
CIE LCh	65, 80.841, 54.954
Yxy	34.0472, 0.5440, 0.3936
Android (android.graphics.Color)	4294735647 (0xFFFC771F)
YUV	148.7350, -58.0434, 90.5634
Hunter-Lab	58.3500, 41.8542, 35.3601

Details

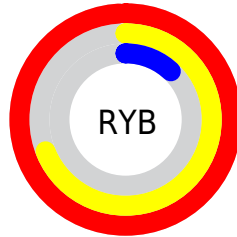
The CIELCh color **65, 80.841, 54.954** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **65, 53.083, 266.893**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 59.937, 68.839**, and **45, 73.149, 50.070** is the 20% darker color. If you saturate the color by 10%, you get **62, 87.928, 52.790**, and if you desaturate by 10%, it is **68, 71.427, 56.309**.

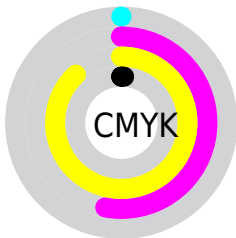
Distribution



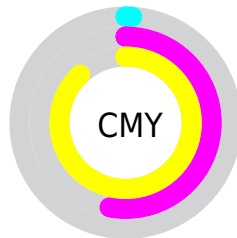
- Red (99%)
- Green (47%)
- Blue (12%)



- Red (99%)
- Yellow (69%)
- Blue (12%)



- Cyan (0%)
- Magenta (53%)
- Yellow (88%)
- Black (1%)



- Cyan (1%)
- Magenta (53%)
- Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 80.841, 54.954 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, 80.841, 54.954 by changing the saturation by 10% instead.

 65, 80.841, 54.954

 65, 80.841, 54.954

 100, 80.841,
54.954

 55, 80.841, 54.954

 85, 80.841, 54.954

 45, 80.841, 54.954

 95, 80.841, 54.954

 35, 80.841, 54.954

 25, 80.841, 54.954

 15, 80.841, 54.954

 5, 80.841, 54.954

 0, 80.841, 54.954

 65, 80.841, 54.954

 65, 80.841, 54.954

 62, 87.928, 52.790

 68, 71.427, 56.309

62, 89.396, 52.263

72, 61.070, 57.285

75, 50.650, 58.150

79, 40.579, 59.015

83, 31.028, 59.919

87, 22.044, 60.864

91, 13.619, 61.838

96, 5.715, 62.796

100, 0.990,
200.012

Harmonies

Complementary

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



65, 80.841, 54.954



65, 53.083, 266.893

Rectangle

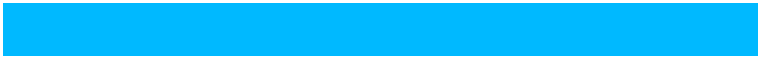
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65, 80.841, 54.954



65, 80.841, 104.954



65, 80.841, 234.954



65, 80.841, 284.954

Sweetspot

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



65, 80.838, 54.957



89, 20.810, 61.022



57, 86.088, 348.716



46, 14.268, 60.688



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, 80.838, 54.957



62, 90.178, 52.240



90, 85.805, 95.676



50, 4.243, 62.626



47, 71.479, 52.954



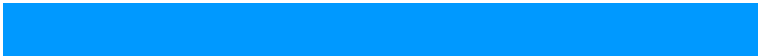
14, 26.272, 51.685

Inverse Universe

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



65, 53.083, 266.893



62, 59.639, 273.168



38, 114.244, 302.577



50, 4.084, 244.805



46, 46.861, 272.166



14, 19.220, 264.595

Previews

White Background



This preview shows how the CIELCh color 65, 80.841, 54.954 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, 80.841, 54.954 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, 80.841, 54.954

Background



This preview shows how black text looks on a background with the CIELCh color 65, 80.841, 54.954.



This preview shows how white text looks on a background with the CIELCh color 65, 80.841, 54.954.

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, 80.841, 54.954

Protanopia

65, 59.934, 95.412

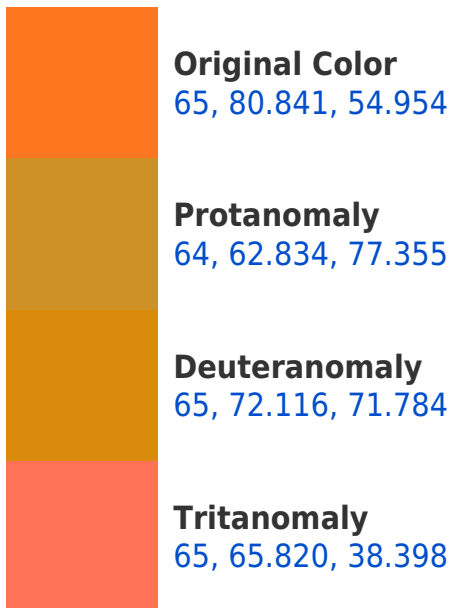
Deuteranopia

65, 69.788, 83.291



Tritanopia
65, 60.174, 22.810

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 80.841, 54.954 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(252, 119, 31)` looks like.

```
.text, #text, p{  
    color:rgb(252, 119, 31)  
}
```

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(252, 119, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 119, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 80.841, 54.954 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(252, 119, 31) }
```

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

```
.border{ border-color:rgb(252, 119, 31) }
```

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

Here you see how a box with a 4 pixel rgb(252, 119, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 119, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 119, 31);  
box-shadow:4px 4px 4px 4px rgb(252, 119,  
31) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 80.841, 54.954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 119, 31) }
```

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

```
.background{ background-color: rgb(252,  
119, 31) }
```

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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