

Converting Colors

CIELCh(65, 76.717, 49.964)

Have a look what the booklet for
CIELCh(65, 76.717, 49.964) contains.

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Color

CIELCh(65, 76.879, 49.958)

Conversions

Conversions Part 1

Format	Color
Hex	FF7433
RGB	255, 116, 51
RGB Percent	100%, 45%, 20%
CMY	0.0000, 0.5446, 0.7995
CMYK	0.00, 0.54, 0.80, 0.00
HSL	19°, 100%, 60%
HSV	19°, 80%, 100%
XYZ	48.1541, 34.0472, 7.1793
YIQ	150.1510, 103.7090, 9.2530

Conversions

Conversions Part 2

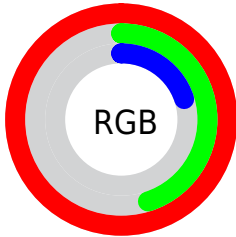
Format	Color
R_{YB}	255, 146, 51
Decimal	16741427
CIE Lab	65.00, 49.46, 58.86
CIE LCh	65, 76.879, 49.958
Yxy	34.0472, 0.5388, 0.3809
Android (android.graphics.Color)	4294931507 (0xFFFF7433)
YUV	150.1510, -48.8814, 91.9526
Hunter-Lab	58.3500, 45.1973, 33.5500

Details

The CIELCh color **65, 76.879, 49.958** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **73, 44.703, 250.882**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 53.389, 63.033**, and **45, 75.136, 48.582** is the 20% darker color. If you saturate the color by 10%, you get **62, 86.784, 49.234**, and if you desaturate by 10%, it is **69, 65.734, 50.306**.

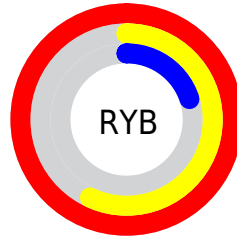
Distribution



Red (100%)

Green (45%)

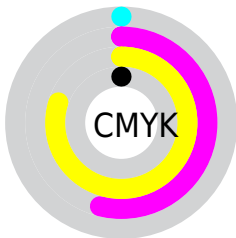
Blue (20%)



Red (100%)

Yellow (57%)

Blue (20%)

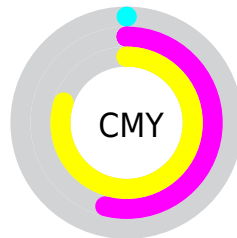


Cyan (0%)

Magenta (54%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (54%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 76.879, 49.958 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, 76.879, 49.958 by changing the saturation by 10% instead.

65, 76.879, 49.958

65, 76.879, 49.958

100, 76.879,
49.958

55, 76.879, 49.958

85, 76.879, 49.958

45, 76.879, 49.958

95, 76.879, 49.958

35, 76.879, 49.958

25, 76.879, 49.958

15, 76.879, 49.958

5, 76.879, 49.958

0, 76.879, 49.958

65, 76.879, 49.958

65, 76.879, 49.958

62, 86.784, 49.234

69, 65.734, 50.306

59, 94.243, 47.694

72, 54.590, 50.563

59, 94.276, 47.688

77, 43.875, 50.884

81, 33.782, 51.309

86, 24.368, 51.835

90, 15.624, 52.443

95, 7.507, 53.091

100, 0.012,
296.813

Harmonies

Complementary

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



65, 76.879, 49.958



73, 44.703, 250.882

Rectangle

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



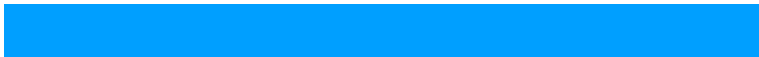
65, 76.879, 49.958



65, 76.879, 99.958



65, 76.879, 229.958



65, 76.879, 279.958

Sweetspot

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



65, 76.820, 49.978



88, 19.085, 52.189



59, 87.626, 342.748



45, 13.291, 51.974



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, 76.820, 49.978



60, 91.527, 48.329



88, 79.314, 91.745



51, 4.281, 53.119



45, 75.448, 48.281



13, 28.314, 45.279

Inverse Universe

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



73, 44.703, 250.882



69, 49.822, 258.606



46, 97.184, 298.093



51, 4.075, 234.785



52, 40.740, 259.690



16, 17.639, 252.529

Previews

White Background



This preview shows how the CIELCh color 65, 76.879, 49.958 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, 76.879, 49.958 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, 76.879, 49.958

Background



This preview shows how black text looks on a background with the CIELCh color 65, 76.879, 49.958.



This preview shows how white text looks on a background with the CIELCh color 65, 76.879, 49.958.

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, 76.879, 49.958

Protanopia

65, 50.747, 95.477

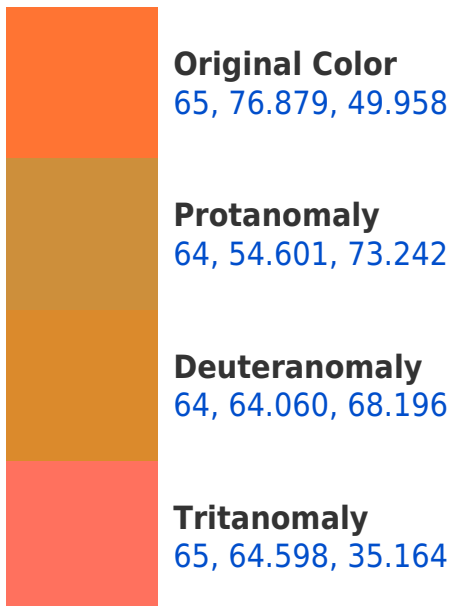
Deuteranopia

65, 61.159, 82.013



Tritanopia
65, 60.313, 23.313

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 76.879, 49.958 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, 116, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 116, 51)  
}
```

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, 116, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 116, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 76.879, 49.958 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, 116, 51) }
```

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

```
.border{ border-color:rgb(255, 116, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 116, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 116, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 116, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 116,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 76.879, 49.958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 116, 51) }
```

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

```
.background{ background-color: rgb(255,  
116, 51) }
```

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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