

Converting Colors

CIELCh(65, 77.261, 51.054)

Have a look what the booklet for
CIELCh(65, 77.261, 51.054) contains.

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Color

CIELCh(65, 77.235, 51.073)

Conversions

Conversions Part 1

Format	Color
Hex	FE7530
RGB	254, 117, 48
RGB Percent	100%, 46%, 19%
CMY	0.0035, 0.5408, 0.8114
CMYK	0.00, 0.54, 0.81, 0.00
HSL	20°, 99%, 59%
HSV	20°, 81%, 100%
XYZ	47.8175, 34.0472, 6.8569
YIQ	150.0970, 103.8010, 7.5850

Conversions

Conversions Part 2

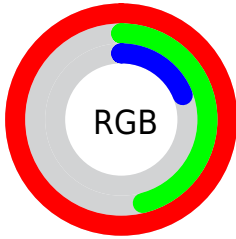
Format	Color
R _Y B	254, 152, 48
Decimal	16676144
CIE Lab	65.00, 48.53, 60.08
CIE LCh	65, 77.235, 51.073
Yxy	34.0472, 0.5390, 0.3838
Android (android.graphics.Color)	4294866224 (0xFFFE7530)
YUV	150.0970, -50.3338, 91.1229
Hunter-Lab	58.3500, 44.1675, 33.8776

Details

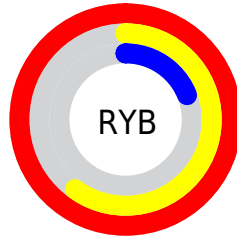
The CIELCh color **65, 77.235, 51.073** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **71, 45.853, 254.064**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 54.203, 64.247**, and **45, 74.331, 49.248** is the 20% darker color. If you saturate the color by 10%, you get **62, 86.786, 50.080**, and if you desaturate by 10%, it is **68, 66.380, 51.588**.

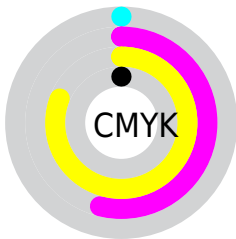
Distribution



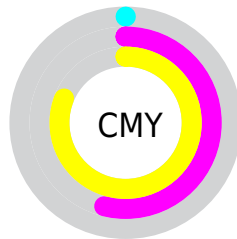
- Red (100%)
- Green (46%)
- Blue (19%)



- Red (100%)
- Yellow (60%)
- Blue (19%)



- Cyan (0%)
- Magenta (54%)
- Yellow (81%)
- Black (0%)



- Cyan (0%)
- Magenta (54%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 77.235, 51.073 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, 77.235, 51.073 by changing the saturation by 10% instead.

65, 77.235, 51.073

65, 77.235, 51.073

100, 77.235,
51.073

55, 77.235, 51.073

85, 77.235, 51.073

45, 77.235, 51.073

95, 77.235, 51.073

35, 77.235, 51.073

25, 77.235, 51.073

15, 77.235, 51.073

5, 77.235, 51.073

0, 77.235, 51.073

65, 77.235, 51.073

65, 77.235, 51.073

62, 86.786, 50.080

68, 66.380, 51.588

60, 93.185, 48.523

72, 55.363, 51.983

76, 44.715, 52.416

81, 34.654, 52.935

85, 25.250, 53.544

90, 16.497, 54.226

94, 8.358, 54.948

99, 0.779, 55.068

100, 0.312,
201.513

Harmonies

Complementary

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



65, 77.235, 51.073



71, 45.853, 254.064

Rectangle

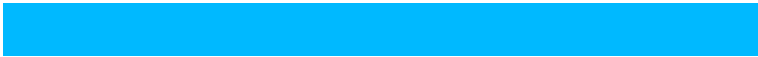
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65, 77.235, 51.073



65, 77.235, 101.073



65, 77.235, 231.073



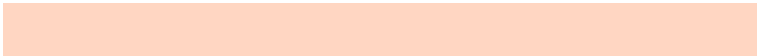
65, 77.235, 281.073

Sweetspot

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



65, 77.233, 51.076



89, 19.045, 54.020



59, 86.991, 343.963



46, 13.259, 53.776



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, 77.233, 51.076



60, 91.397, 49.027



88, 80.564, 92.820



51, 4.278, 55.059



45, 74.784, 49.130



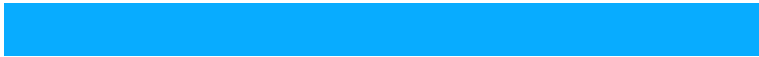
13, 28.119, 46.571

Inverse Universe

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



71, 45.853, 254.064



67, 51.545, 261.922



44, 100.462, 299.108



51, 4.081, 236.845



51, 41.917, 262.486



16, 18.015, 255.254

Previews

White Background



This preview shows how the CIELCh color 65, 77.235, 51.073 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, 77.235, 51.073 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, 77.235, 51.073

Background



This preview shows how black text looks on a background with the CIELCh color 65, 77.235, 51.073.



This preview shows how white text looks on a background with the CIELCh color 65, 77.235, 51.073.

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, 77.235, 51.073

Protanopia

65, 52.574, 95.080

Deuteranopia

65, 62.444, 82.301



Tritanopia
65, 60.313, 23.313

Trichromacy



Original Color
65, 77.235, 51.073

Protanomaly
64, 56.203, 73.941

Deuteranomaly
64, 65.368, 68.776

Tritanomaly
65, 64.855, 35.577

Monochromacy



Original Color
65, 77.235, 51.073

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 26.172, 52.871

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 77.235, 51.073 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, 117, 48)` looks like.

```
.text, #text, p{  
    color:rgb(254, 117, 48)  
}
```

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, 117, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 117, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 77.235, 51.073 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, 117, 48) }
```

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

```
.border{ border-color:rgb(254, 117, 48) }
```

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

Here you see how a box with a 4 pixel rgb(254, 117, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 117, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 117, 48);  
box-shadow:4px 4px 4px 4px rgb(254, 117,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 77.235, 51.073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 117, 48) }
```

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

```
.background{ background-color: rgb(254,  
117, 48) }
```

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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