

Converting Colors

CIELCh(64, 77.845, 53.899)

Have a look what the booklet for
CIELCh(64, 77.845, 53.899) contains.

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Color

CIELCh(64, 77.871, 53.769)

Conversions

Conversions Part 1

Format	Color
Hex	F87526
RGB	248, 117, 38
RGB Percent	97%, 46%, 15%
CMY	0.0276, 0.5413, 0.8511
CMYK	0.00, 0.53, 0.85, 0.03
HSL	23°, 94%, 56%
HSV	23°, 85%, 97%
XYZ	45.4012, 32.8017, 5.7688
YIQ	147.1630, 103.4350, 3.2030

Conversions

Conversions Part 2

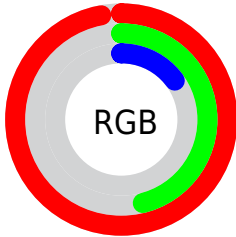
Format	Color
R _Y B	248, 165, 38
Decimal	16282918
CIE Lab	64.00, 46.03, 62.81
CIE LCh	64, 77.871, 53.769
Yxy	32.8017, 0.5407, 0.3906
Android (android.graphics.Color)	4294472998 (0xFFFF87526)
YUV	147.1630, -53.8174, 88.4340
Hunter-Lab	57.2727, 41.2731, 34.1189

Details

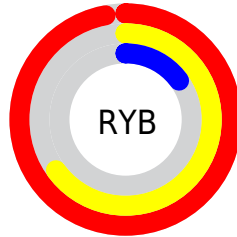
The CIELCh color **64, 77.871, 53.769** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **66, 49.186, 262.222**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 57.812, 66.018**, and **44, 72.078, 49.942** is the 20% darker color. If you saturate the color by 10%, you get **61, 85.947, 52.073**, and if you desaturate by 10%, it is **67, 67.932, 54.785**.

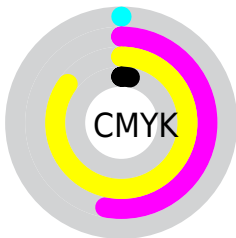
Distribution



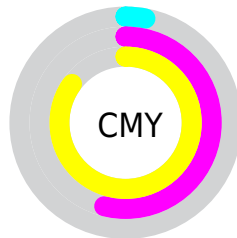
- Red (97%)
- Green (46%)
- Blue (15%)



- Red (97%)
- Yellow (65%)
- Blue (15%)



- Cyan (0%)
- Magenta (53%)
- Yellow (85%)
- Black (3%)



- Cyan (3%)
- Magenta (54%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 77.871, 53.769 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 64, 77.871, 53.769 by changing the saturation by 10% instead.

64, 77.871, 53.769

64, 77.871, 53.769

100, 77.871,
53.769

54, 77.871, 53.769

84, 77.871, 53.769

44, 77.871, 53.769

94, 77.871, 53.769

34, 77.871, 53.769

24, 77.871, 53.769

14, 77.871, 53.769

4, 77.871, 53.769

0, 77.871, 53.769

64, 77.871, 53.769

64, 77.871, 53.769

61, 85.947, 52.073

67, 67.932, 54.785

60, 89.330, 50.922

71, 57.445, 55.543

74, 47.105, 56.256

78, 37.220, 57.005

83, 27.907, 57.813

87, 19.185, 58.673

91, 11.033, 59.565

95, 3.405, 60.398

99, 2.442, 199.522

Harmonies

Complementary

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



64, 77.871, 53.769



66, 49.186, 262.222

Rectangle

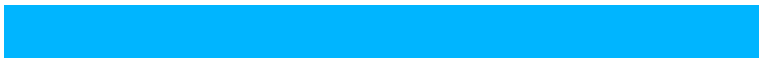
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 77.871, 53.769



64, 77.871, 103.769



64, 77.871, 233.769



64, 77.871, 283.769

Sweetspot

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



64, 77.869, 53.772



89, 19.897, 58.642



56, 84.985, 346.840



46, 13.741, 58.335



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 77.869, 53.772



61, 91.294, 50.865



88, 82.563, 94.802



50, 4.222, 60.023



46, 72.341, 51.560



13, 26.462, 49.692

Inverse Universe

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



66, 49.186, 262.222



63, 57.028, 270.033



40, 107.148, 301.301



50, 4.051, 242.080



48, 44.859, 269.016



14, 18.561, 261.386

Previews

White Background



This preview shows how the CIELCh color 64, 77.871, 53.769 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 64, 77.871, 53.769 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 64, 77.871, 53.769

Background



This preview shows how black text looks on a background with the CIELCh color 64, 77.871, 53.769.



This preview shows how white text looks on a background with the CIELCh color 64, 77.871, 53.769.

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

64, 77.871, 53.769

Protanopia

64, 56.157, 95.635

Deuteranopia

64, 65.213, 82.686



Tritanopia
64, 59.507, 22.769

Trichromacy



Original Color
64, 77.871, 53.769

Protanomaly
63, 59.232, 76.445

Deuteranomaly
63, 67.670, 70.384

Tritanomaly
64, 64.359, 37.364

Monochromacy



Original Color
64, 77.871, 53.769

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 27.014, 57.329

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 77.871, 53.769 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(248, 117, 38)` looks like.

```
.text, #text, p{  
    color:rgb(248, 117, 38)  
}
```

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(248, 117, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 117, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 77.871, 53.769 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(248, 117, 38) }
```

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

```
.border{ border-color:rgb(248, 117, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 117, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 117, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 117, 38);  
box-shadow:4px 4px 4px 4px rgb(248, 117,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 77.871, 53.769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 117, 38) }
```

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

```
.background{ background-color: rgb(248,  
117, 38) }
```

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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