

Converting Colors

CIELCh(67, 74.495, 52.602)

Have a look what the booklet for
CIELCh(67, 74.495, 52.602) contains.

CIELCh(67, 74.028, 52.768)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(67, 74.028, 52.768)

Conversions

Conversions Part 1

Format	Color
Hex	FF7E37
RGB	255, 126, 55
RGB Percent	100%, 49%, 22%
CMY	0.0000, 0.5045, 0.7830
CMYK	0.00, 0.50, 0.78, 0.00
HSL	21°, 100%, 61%
HSV	21°, 78%, 100%
XYZ	49.6003, 36.6320, 8.1140
YIQ	156.4770, 99.6750, 5.2670

Conversions

Conversions Part 2

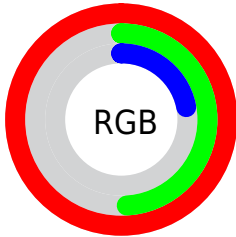
Format	Color
R_{YB}	255, 165, 55
Decimal	16743991
CIE _{Lab}	67.00, 44.79, 58.94
CIE _{LCh}	67, 74.028, 52.768
Yxy	36.6320, 0.5257, 0.3883
Android (android.graphics.Color)	4294934071 (0xFFFF7E37)
YUV	156.4770, -50.0282, 86.4047
Hunter-Lab	60.5244, 40.3648, 34.4186

Details

The CIELCh color **67, 74.028, 52.768** 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, 46.130, 256.183**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 51.678, 68.028**, and **47, 72.779, 51.898** is the 20% darker color. If you saturate the color by 10%, you get **64, 83.745, 51.816**, and if you desaturate by 10%, it is **70, 63.040, 53.477**.

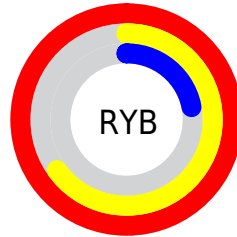
Distribution



Red (100%)

Green (49%)

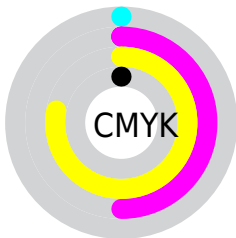
Blue (22%)



Red (100%)

Yellow (65%)

Blue (22%)

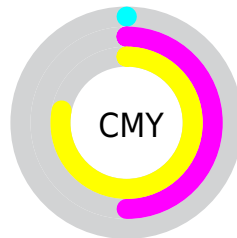


Cyan (0%)

Magenta (50%)

Yellow (78%)

Black (0%)



Cyan (0%)

Magenta (50%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 74.028, 52.768 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 67, 74.028, 52.768 by changing the saturation by 10% instead.

67, 74.028, 52.768

67, 74.028, 52.768

100, 74.028,
52.768

57, 74.028, 52.768

87, 74.028, 52.768

47, 74.028, 52.768

97, 74.028, 52.768

37, 74.028, 52.768

27, 74.028, 52.768

17, 74.028, 52.768

7, 74.028, 52.768

0, 74.028, 52.768

67, 74.028, 52.768

67, 74.028, 52.768

64, 83.745, 51.816

70, 63.040, 53.477

61, 91.217, 49.966

74, 52.207, 54.039

61, 92.360, 49.655

78, 41.793, 54.637

83, 31.969, 55.307

87, 22.779, 56.049

92, 14.211, 56.845

96, 6.222, 57.649

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.



67, 74.028, 52.768



71, 46.130, 256.183

Rectangle

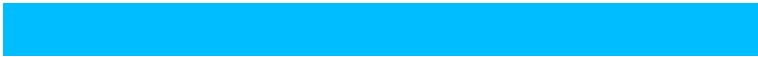
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67, 74.028, 52.768



67, 74.028, 102.768



67, 74.028, 232.768



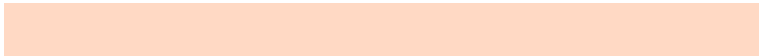
67, 74.028, 282.768

Sweetspot

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



67, 73.865, 52.833



89, 18.166, 56.466



59, 85.145, 344.534



46, 12.738, 56.180



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 73.865, 52.833



62, 88.359, 50.871



90, 79.944, 94.316



51, 4.282, 57.556



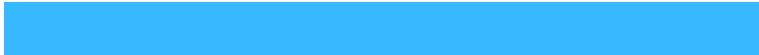
46, 73.930, 50.294



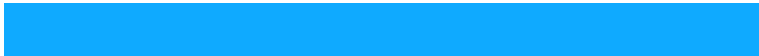
14, 27.884, 48.297

Inverse Universe

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



71, 46.130, 256.183



67, 52.366, 263.759



45, 99.055, 298.989



51, 4.095, 239.487



49, 43.567, 265.897



15, 18.554, 258.627

Previews

White Background



This preview shows how the CIELCh color 67, 74.028, 52.768 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 67, 74.028, 52.768 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 67, 74.028, 52.768

Background



This preview shows how black text looks on a background with the CIELCh color 67, 74.028, 52.768.



This preview shows how white text looks on a background with the CIELCh color 67, 74.028, 52.768.

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

67, 74.028, 52.768

Protanopia

67, 51.968, 95.776

Deuteranopia

67, 61.059, 81.857



Tritanopia
67, 55.521, 21.520

Trichromacy



Original Color
67, 74.028, 52.768

Protanomaly
66, 55.127, 75.483

Deuteranomaly
67, 63.608, 69.847

Tritanomaly
67, 60.045, 35.955

Monochromacy



Original Color
67, 74.028, 52.768

Achromatopsia
65, 0.008, 296.813

Achromatomaly
64, 25.081, 55.435

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 74.028, 52.768 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, 126, 55)` looks like.

```
.text, #text, p{  
    color:rgb(255, 126, 55)  
}
```

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, 126, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 126, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 74.028, 52.768 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, 126, 55) }
```

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

```
.border{ border-color:rgb(255, 126, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 126, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 126, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 126, 55);  
box-shadow:4px 4px 4px 4px rgb(255, 126,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 74.028, 52.768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 126, 55) }
```

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

```
.background{ background-color: rgb(255,  
126, 55) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor