

Converting Colors

CIELCh(67, 75.103, 54.115)

Have a look what the booklet for
CIELCh(67, 75.103, 54.115) contains.

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Color

CIELCh(67, 75.146, 53.998)

Conversions

Conversions Part 1

Format	Color
Hex	FF7F33
RGB	255, 127, 51
RGB Percent	100%, 50%, 20%
CMY	0.0004, 0.5023, 0.8003
CMYK	0.00, 0.50, 0.80, 0.00
HSL	22°, 100%, 60%
HSV	22°, 80%, 100%
XYZ	49.3720, 36.6320, 7.5899
YIQ	156.6080, 100.6840, 3.5000

Conversions

Conversions Part 2

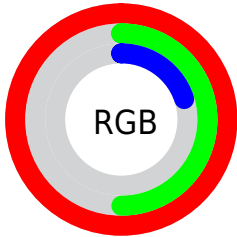
Format	Color
RYB	255, 172, 51
Decimal	16744243
CIELab	67.00, 44.17, 60.79
CIELCh	67, 75.146, 53.998
Yxy	36.6320, 0.5275, 0.3914
Android (android.graphics.Color)	4294934323 (0xFFFF7F33)
YUV	156.6080, -52.0647, 86.2898
Hunter-Lab	60.5244, 39.6917, 34.9319

Details

The CIELCh color **67, 75.146, 53.998** 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 **70, 47.955, 259.561**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 53.429, 69.710**, and **47, 72.361, 52.567** is the 20% darker color. If you saturate the color by 10%, you get **64, 84.515, 52.712**, and if you desaturate by 10%, it is **70, 64.565, 54.830**.

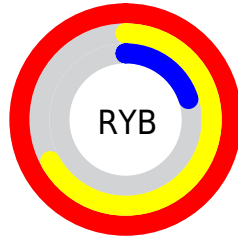
Distribution



Red (100%)

Green (50%)

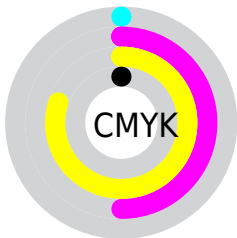
Blue (20%)



Red (100%)

Yellow (67%)

Blue (20%)

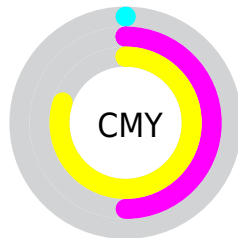


Cyan (0%)

Magenta (50%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (50%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 75.146, 53.998 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, 75.146, 53.998 by changing the saturation by 10% instead.

67, 75.146, 53.998

67, 75.146, 53.998

100, 75.146,
53.998

57, 75.146, 53.998

87, 75.146, 53.998

47, 75.146, 53.998

97, 75.146, 53.998

37, 75.146, 53.998

27, 75.146, 53.998

17, 75.146, 53.998

7, 75.146, 53.998

0, 75.146, 53.998

67, 75.146, 53.998

67, 75.146, 53.998

64, 84.515, 52.712

70, 64.565, 54.830

61, 91.451, 50.646

74, 53.823, 55.525

78, 43.419, 56.227

82, 33.559, 56.983

87, 24.306, 57.800

91, 15.658, 58.664

95, 7.577, 59.542

100, 0.016, 22.913

100, 0.039,
216.506

Harmonies

Complementary

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



67, 75.146, 53.998



70, 47.955, 259.561

Rectangle

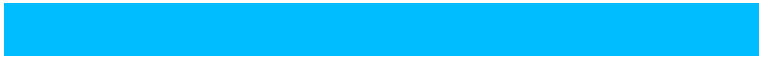
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67, 75.146, 53.998



67, 75.146, 103.998



67, 75.146, 233.998



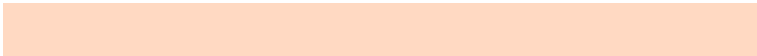
67, 75.146, 283.998

Sweetspot

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



67, 75.144, 54.001



89, 19.031, 58.316



59, 85.106, 345.922



46, 13.237, 58.009



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, 75.144, 54.001



62, 88.907, 51.502



90, 81.873, 95.270



51, 4.290, 59.587



47, 73.239, 51.301



14, 27.710, 49.755

Inverse Universe

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



70, 47.955, 259.561



65, 54.855, 267.439



43, 103.384, 300.101



51, 4.114, 241.625



49, 45.018, 268.522



15, 19.038, 261.259

Previews

White Background



This preview shows how the CIELCh color 67, 75.146, 53.998 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, 75.146, 53.998 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, 75.146, 53.998

Background



This preview shows how black text looks on a background with the CIELCh color 67, 75.146, 53.998.



This preview shows how white text looks on a background with the CIELCh color 67, 75.146, 53.998.

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, 75.146, 53.998

Protanopia

67, 54.131, 95.878

Deuteranopia

67, 62.958, 81.869



Tritanopia
67, 55.521, 21.520

Trichromacy



Original Color
67, 75.146, 53.998

Protanomaly
67, 57.258, 76.849

Deuteranomaly
67, 65.266, 70.117

Tritanomaly
67, 60.303, 36.398

Monochromacy



Original Color
67, 75.146, 53.998

Achromatopsia
65, 0.008, 296.813

Achromatomaly
64, 25.830, 57.203

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 75.146, 53.998 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, 127, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 127, 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, 127, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 127, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 75.146, 53.998 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, 127, 51) }
```

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

```
.border{ border-color:rgb(255, 127, 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, 127, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 127, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 127, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 127,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 75.146, 53.998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 127, 51) }
```

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

```
.background{ background-color: rgb(255,  
127, 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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