

Converting Colors

CIELCh(68, 73.562, 56.759)

Have a look what the booklet for
CIELCh(68, 73.562, 56.759) contains.

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Color

CIELCh(68, 73.627, 56.694)

Conversions

Conversions Part 1

Format	Color
Hex	FD8533
RGB	253, 133, 51
RGB Percent	99%, 52%, 20%
CMY	0.0071, 0.4778, 0.7994
CMYK	0.00, 0.47, 0.80, 0.01
HSL	24°, 98%, 60%
HSV	24°, 80%, 99%
XYZ	49.5816, 37.9720, 7.8652
YIQ	159.5320, 97.8420, -0.0620

Conversions

Conversions Part 2

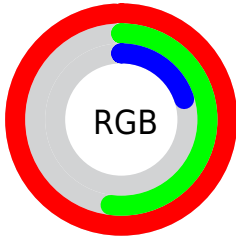
Format	Color
R _Y B	253, 189, 51
Decimal	16614707
CIE Lab	68.00, 40.43, 61.53
CIE LCh	68, 73.627, 56.694
Yxy	37.9720, 0.5196, 0.3980
Android (android.graphics.Color)	4294804787 (0xFFFD8533)
YUV	159.5320, -53.5063, 81.9714
Hunter-Lab	61.6215, 35.7864, 35.5674

Details

The CIELCh color **68, 73.627, 56.694** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **67, 50.055, 264.293**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 53.583, 73.226**, and **48, 70.781, 54.860** is the 20% darker color. If you saturate the color by 10%, you get **65, 82.586, 55.144**, and if you desaturate by 10%, it is **71, 63.424, 57.784**.

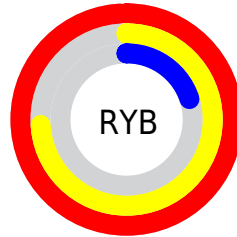
Distribution



Red (99%)

Green (52%)

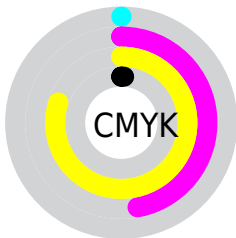
Blue (20%)



Red (99%)

Yellow (74%)

Blue (20%)

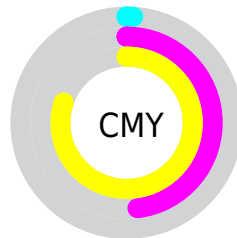


Cyan (0%)

Magenta (47%)

Yellow (80%)

Black (1%)



Cyan (1%)

Magenta (48%)

Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 73.627, 56.694 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 68, 73.627, 56.694 by changing the saturation by 10% instead.

 68, 73.627, 56.694

 68, 73.627, 56.694

 100, 73.627,
56.694

 58, 73.627, 56.694

 88, 73.627, 56.694

 48, 73.627, 56.694

 98, 73.627, 56.694

 38, 73.627, 56.694

 28, 73.627, 56.694

 18, 73.627, 56.694

 8, 73.627, 56.694

 0, 73.627, 56.694

 68, 73.627, 56.694

 68, 73.627, 56.694

 65, 82.586, 55.144

 71, 63.424, 57.784

62, 89.162, 52.812

75, 52.993, 58.712

62, 89.289, 52.768

79, 42.834, 59.618

83, 33.156, 60.552

87, 24.032, 61.523

91, 15.461, 62.522

95, 7.414, 63.519

99, 0.157, 247.981

100, 0.633,
200.412

Harmonies

Complementary

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



68, 73.627, 56.694



67, 50.055, 264.293

Rectangle

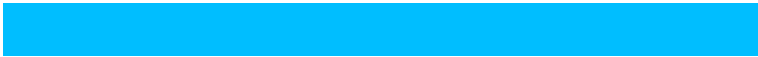
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68, 73.627, 56.694



68, 73.627, 106.694



68, 73.627, 236.694



68, 73.627, 286.694

Sweetspot

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



68, 73.625, 56.697



90, 19.109, 62.099



58, 83.061, 348.112



46, 13.279, 61.743



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 73.625, 56.697



64, 87.359, 53.722



91, 83.153, 97.494



51, 4.324, 63.546



48, 71.914, 53.436



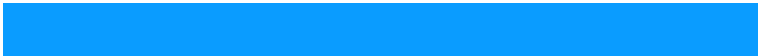
14, 27.416, 52.743

Inverse Universe

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



67, 50.055, 264.293



62, 58.529, 272.227



42, 106.424, 301.200



51, 4.166, 245.768



47, 48.123, 273.288



14, 20.097, 266.121

Previews

White Background



This preview shows how the CIELCh color 68, 73.627, 56.694 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 68, 73.627, 56.694 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 68, 73.627, 56.694

Background



This preview shows how black text looks on a background with the CIELCh color 68, 73.627, 56.694.



This preview shows how white text looks on a background with the CIELCh color 68, 73.627, 56.694.

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

68, 73.627, 56.694

Protanopia

68, 55.536, 95.080

Deuteranopia

68, 63.666, 82.204



Tritanopia
68, 53.100, 20.317

Trichromacy



Original Color
68, 73.627, 56.694

Protanomaly
67, 57.873, 78.197

Deuteranomaly
68, 65.655, 71.821

Tritanomaly
68, 57.380, 37.486

Monochromacy



Original Color
68, 73.627, 56.694

Achromatopsia
66, 0.008, 296.813

Achromatomaly
65, 25.414, 60.713

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 73.627, 56.694 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(253, 133, 51)` looks like.

```
.text, #text, p{  
    color:rgb(253, 133, 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(253, 133, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 133, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 73.627, 56.694 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(253, 133, 51) }
```

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

```
.border{ border-color:rgb(253, 133, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 133, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 133, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 133, 51);  
box-shadow:4px 4px 4px 4px rgb(253, 133,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 73.627, 56.694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 133, 51) }
```

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

```
.background{ background-color: rgb(253,  
133, 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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