

Converting Colors

CIELCh(68, 69.942, 52.177)

Have a look what the booklet for
CIELCh(68, 69.942, 52.177) contains.

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Color

CIELCh(68, 69.693, 52.170)

Conversions

Conversions Part 1

Format	Color
Hex	FF8342
RGB	255, 131, 66
RGB Percent	100%, 51%, 26%
CMY	0.0000, 0.4856, 0.7405
CMYK	0.00, 0.49, 0.74, 0.00
HSL	21°, 100%, 63%
HSV	21°, 74%, 100%
XYZ	50.4420, 37.9720, 9.8499
YIQ	160.6660, 94.7690, 6.0730

Conversions

Conversions Part 2

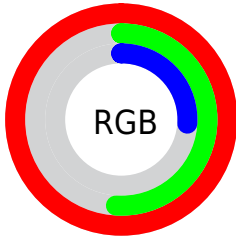
Format	Color
R _Y B	255, 165, 66
Decimal	16745282
CIE Lab	68.00, 42.74, 55.05
CIE LCh	68, 69.693, 52.170
Yxy	37.9720, 0.5133, 0.3864
Android (android.graphics.Color)	4294935362 (0xFFFF8342)
YUV	160.6660, -46.6703, 82.7309
Hunter-Lab	61.6215, 38.2787, 33.6578

Details

The CIELCh color **68, 69.693, 52.170** is a light color, and the websafe version is hex **FF6633**. The color can be described as light washed orange. A complement of this color would be **73, 43.749, 252.596**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 47.817, 68.547**, and **48, 69.684, 52.299** is the 20% darker color. If you saturate the color by 10%, you get **65, 80.170, 51.506**, and if you desaturate by 10%, it is **72, 58.613, 52.693**.

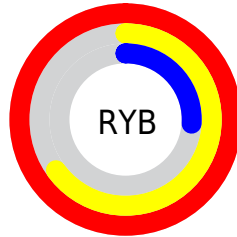
Distribution



Red (100%)

Green (51%)

Blue (26%)



Red (100%)

Yellow (65%)

Blue (26%)

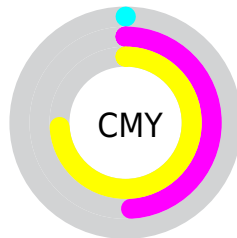


Cyan (0%)

Magenta (49%)

Yellow (74%)

Black (0%)



Cyan (0%)

Magenta (49%)

Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 69.693, 52.170 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, 69.693, 52.170 by changing the saturation by 10% instead.

 68, 69.693, 52.170

 68, 69.693, 52.170

 100, 69.693,
52.170

 58, 69.693, 52.170

 88, 69.693, 52.170

 48, 69.693, 52.170

 98, 69.693, 52.170

 38, 69.693, 52.170

 28, 69.693, 52.170


 18, 69.693, 52.170

 8, 69.693, 52.170

 0, 69.693, 52.170

 68, 69.693, 52.170

 68, 69.693, 52.170

 65, 80.170, 51.506

 72, 58.613, 52.693

62, 88.933, 50.157

76, 47.851, 53.178

60, 92.955, 49.018

80, 37.620, 53.731

84, 28.025, 54.369

89, 19.078, 55.080

93, 10.750, 55.838

98, 2.991, 56.524

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.



68, 69.693, 52.170



73, 43.749, 252.596

Rectangle

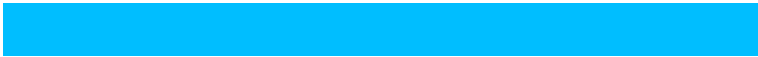
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68, 69.693, 52.170



68, 69.693, 102.170



68, 69.693, 232.170



68, 69.693, 282.170

Sweetspot

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



68, 69.613, 52.204



90, 17.318, 55.233



61, 83.646, 342.833



46, 11.752, 55.031



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, 69.613, 52.204



63, 84.840, 50.958



89, 76.146, 93.655



51, 4.279, 56.182



46, 74.400, 49.644



14, 28.011, 47.339

Inverse Universe

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



73, 43.749, 252.596



69, 49.510, 259.357



48, 91.282, 297.083



51, 4.086, 238.035



50, 42.641, 264.046



16, 18.250, 256.790

Previews

White Background



This preview shows how the CIELCh color 68, 69.693, 52.170 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, 69.693, 52.170 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, 69.693, 52.170

Background



This preview shows how black text looks on a background with the CIELCh color 68, 69.693, 52.170.



This preview shows how white text looks on a background with the CIELCh color 68, 69.693, 52.170.

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





Tritanopia
68, 53.202, 20.890

Trichromacy



Original Color
68, 69.693, 52.170

Protanomaly
67, 51.093, 74.968

Deuteranomaly
68, 59.171, 68.922

Tritanomaly
68, 57.031, 35.077

Monochromacy



Original Color
68, 69.693, 52.170

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 23.123, 53.692

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 69.693, 52.170 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, 131, 66)` looks like.

```
.text, #text, p{  
    color:rgb(255, 131, 66)  
}
```

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, 131, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 131, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 69.693, 52.170 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, 131, 66) }
```

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

```
.border{ border-color:rgb(255, 131, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 131, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 131, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 131, 66);  
box-shadow:4px 4px 4px 4px rgb(255, 131,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 69.693, 52.170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 131, 66) }
```

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

```
.background{ background-color: rgb(255,  
131, 66) }
```

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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