

Converting Colors

CIELCh(68, 69.506, 53.164)

Have a look what the booklet for
CIELCh(68, 69.506, 53.164) contains.

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Color

CIELCh(68, 69.510, 53.009)

Conversions

Conversions Part 1

Format	Color
Hex	FE8441
RGB	254, 132, 65
RGB Percent	100%, 52%, 25%
CMY	0.0038, 0.4822, 0.7450
CMYK	0.00, 0.48, 0.74, 0.00
HSL	21°, 99%, 63%
HSV	21°, 74%, 100%
XYZ	50.0986, 37.9720, 9.6948
YIQ	160.8400, 94.2190, 5.0270

Conversions

Conversions Part 2

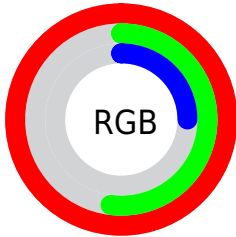
Format	Color
R_{YB}	254, 169, 65
Decimal	16680001
CIE _{Lab}	68.00, 41.82, 55.52
CIE _{LCh}	68, 69.510, 53.009
Yxy	37.9720, 0.5124, 0.3884
Android (android.graphics.Color)	4294870081 (0xFFFE8441)
YUV	160.8400, -47.2491, 81.7013
Hunter-Lab	61.6215, 37.2839, 33.8070

Details

The CIELCh color **68, 69.510, 53.009** 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 **72, 44.291, 254.343**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 48.327, 69.549**, and **48, 69.477, 53.086** is the 20% darker color. If you saturate the color by 10%, you get **65, 79.894, 52.203**, and if you desaturate by 10%, it is **72, 58.627, 53.592**.

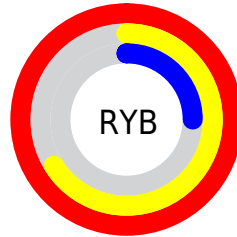
Distribution



Red (100%)

Green (52%)

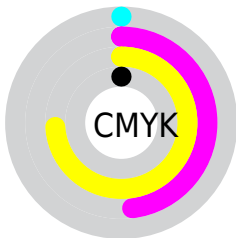
Blue (25%)



Red (100%)

Yellow (66%)

Blue (25%)

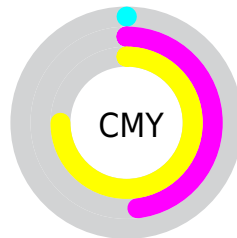


Cyan (0%)

Magenta (48%)

Yellow (74%)

Black (0%)



Cyan (0%)

Magenta (48%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 69.510, 53.009 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, 69.510, 53.009 by changing the saturation by 10% instead.

68, 69.510, 53.009

68, 69.510, 53.009

100, 69.510,
53.009

58, 69.510, 53.009

88, 69.510, 53.009

48, 69.510, 53.009

98, 69.510, 53.009

38, 69.510, 53.009

28, 69.510, 53.009

18, 69.510, 53.009

8, 69.510, 53.009

0, 69.510, 53.009

68, 69.510, 53.009

68, 69.510, 53.009

65, 79.894, 52.203

72, 58.627, 53.592

62, 88.432, 50.722

76, 47.950, 54.151

60, 92.151, 49.596

80, 37.780, 54.768

84, 28.228, 55.461

88, 19.309, 56.221

93, 10.997, 57.024

98, 3.243, 57.764

100, 0.334,
201.371

Harmonies

Complementary

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



68, 69.510, 53.009



72, 44.291, 254.343

Rectangle

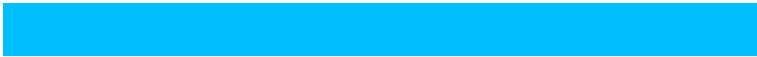
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68, 69.510, 53.009



68, 69.510, 103.009



68, 69.510, 233.009



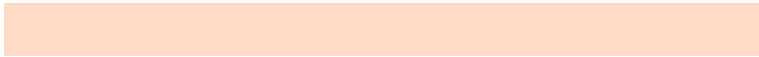
68, 69.510, 283.009

Sweetspot

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



68, 69.508, 53.012



90, 17.314, 56.410



60, 82.788, 343.879



47, 11.747, 56.196



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, 69.508, 53.012



63, 84.414, 51.639



90, 77.031, 94.753



51, 4.281, 57.415



46, 73.978, 50.225



14, 27.897, 48.197

Inverse Universe

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



72, 44.291, 254.343



68, 50.324, 261.016



47, 93.414, 297.885



51, 4.094, 239.337



50, 43.470, 265.709



15, 18.522, 258.440

Previews

White Background



This preview shows how the CIELCh color 68, 69.510, 53.009 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, 69.510, 53.009 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, 69.510, 53.009

Background



This preview shows how black text looks on a background with the CIELCh color 68, 69.510, 53.009.



This preview shows how white text looks on a background with the CIELCh color 68, 69.510, 53.009.

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, 69.510, 53.009

Protanopia

68, 48.754, 95.651

Deuteranopia

68, 57.638, 81.157



Tritanopia
68, 53.202, 20.890

Trichromacy



Original Color
68, 69.510, 53.009

Protanomaly
67, 51.835, 76.432

Deuteranomaly
68, 59.890, 69.352

Tritanomaly
68, 57.031, 35.077

Monochromacy



Original Color
68, 69.510, 53.009

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 23.478, 54.701

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 69.510, 53.009 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(254, 132, 65)` looks like.

```
.text, #text, p{  
    color:rgb(254, 132, 65)  
}
```

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(254, 132, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 132, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 69.510, 53.009 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(254, 132, 65) }
```

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

```
.border{ border-color:rgb(254, 132, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 132, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 132, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 132, 65);  
box-shadow:4px 4px 4px 4px rgb(254, 132,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 69.510, 53.009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 132, 65) }
```

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

```
.background{ background-color: rgb(254,  
132, 65) }
```

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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