

Converting Colors

CIELCh(69, 64.116, 51.614)

Have a look what the booklet for
CIELCh(69, 64.116, 51.614) contains.

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Color

CIELCh(69, 63.990, 51.849)

Conversions

Conversions Part 1

Format	Color
Hex	FD894E
RGB	253, 137, 78
RGB Percent	99%, 54%, 31%
CMY	0.0077, 0.4626, 0.6940
CMYK	0.00, 0.46, 0.69, 0.01
HSL	20°, 98%, 65%
HSV	20°, 69%, 99%
XYZ	50.8525, 39.3444, 12.1287
YIQ	164.9580, 88.0750, 6.2430

Conversions

Conversions Part 2

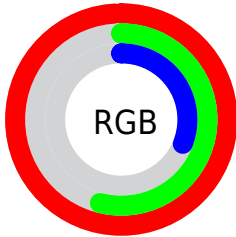
Format	Color
R_{YB}	253, 167, 78
Decimal	16615758
CIE Lab	69.00, 39.53, 50.32
CIE LCh	69, 63.990, 51.849
Yxy	39.3444, 0.4970, 0.3845
Android (android.graphics.Color)	4294805838 (0xFFFD894E)
YUV	164.9580, -42.8703, 77.2128
Hunter-Lab	62.7251, 34.9445, 32.4431

Details

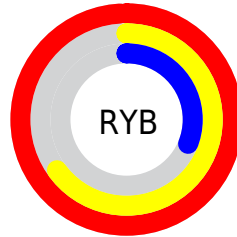
The CIELCh color **69, 63.990, 51.849** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **74, 41.134, 249.572**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 43.226, 69.162**, and **49, 64.209, 51.908** is the 20% darker color. If you saturate the color by 10%, you get **65, 74.881, 51.362**, and if you desaturate by 10%, it is **73, 53.067, 52.266**.

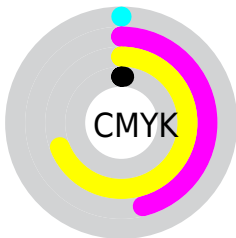
Distribution



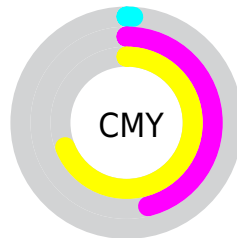
- Red (99%)
- Green (54%)
- Blue (31%)



- Red (99%)
- Yellow (65%)
- Blue (31%)



- Cyan (0%)
- Magenta (46%)
- Yellow (69%)
- Black (1%)



- Cyan (1%)
- Magenta (46%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 63.990, 51.849 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 69, 63.990, 51.849 by changing the saturation by 10% instead.

69, 63.990, 51.849

69, 63.990, 51.849

100, 63.990,
51.849

59, 63.990, 51.849

89, 63.990, 51.849

49, 63.990, 51.849

99, 63.990, 51.849

39, 63.990, 51.849

29, 63.990, 51.849

19, 63.990, 51.849

9, 63.990, 51.849

0, 63.990, 51.849

69, 63.990, 51.849

69, 63.990, 51.849

65, 74.881, 51.362

73, 53.067, 52.266

62, 84.755, 50.479

77, 42.569, 52.729

60, 92.190, 48.778

81, 32.676, 53.279

59, 92.769, 48.648

86, 23.437, 53.916

90, 14.839, 54.620

95, 6.841, 55.350

100, 0.565,
230.148

100, 0.679,
200.338

Harmonies

Complementary

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



69, 63.990, 51.849



74, 41.134, 249.572

Rectangle

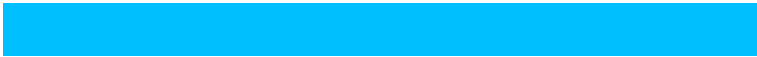
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69, 63.990, 51.849



69, 63.990, 101.849



69, 63.990, 231.849



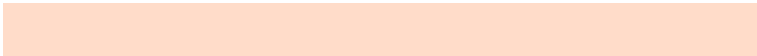
69, 63.990, 281.849

Sweetspot

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



69, 63.988, 51.852



90, 16.477, 54.486



62, 79.851, 342.124



47, 11.267, 54.289



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 63.988, 51.852



65, 79.367, 51.093



89, 71.850, 94.239



51, 4.278, 55.325



45, 74.693, 49.250



13, 28.093, 46.752

Inverse Universe

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



74, 41.134, 249.572



71, 46.821, 255.307



51, 84.085, 295.668



51, 4.082, 237.128



51, 42.086, 262.859



16, 18.069, 255.621

Previews

White Background



This preview shows how the CIELCh color 69, 63.990, 51.849 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 69, 63.990, 51.849 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 69, 63.990, 51.849

Background



This preview shows how black text looks on a background with the CIELCh color 69, 63.990, 51.849.



This preview shows how white text looks on a background with the CIELCh color 69, 63.990, 51.849.

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
69, 50.801, 19.667

Trichromacy



Original Color
69, 63.990, 51.849

Protanomaly
68, 46.767, 75.349

Deuteranomaly
69, 54.826, 68.395

Tritanomaly
69, 53.416, 33.666

Monochromacy



Original Color
69, 63.990, 51.849

Achromatopsia
68, 0.008, 296.813

Achromatomaly
67, 21.519, 54.450

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 63.990, 51.849 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, 137, 78)` looks like.

```
.text, #text, p{  
    color:rgb(253, 137, 78)  
}
```

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, 137, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 137, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 63.990, 51.849 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, 137, 78) }
```

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

```
.border{ border-color:rgb(253, 137, 78) }
```

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

Here you see how a box with a 4 pixel rgb(253, 137, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 137, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 137, 78);  
box-shadow:4px 4px 4px 4px rgb(253, 137,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 63.990, 51.849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 137, 78) }
```

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

```
.background{ background-color: rgb(253,  
137, 78) }
```

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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