

Converting Colors

CIELCh(76, 58.919, 65.440)

Have a look what the booklet for
CIELCh(76, 58.919, 65.440) contains.

CIELCh(76, 58.640, 65.324)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(76, 58.640, 65.324)

Conversions

Conversions Part 1

Format	Color
Hex	FEA858
RGB	254, 168, 88
RGB Percent	100%, 66%, 35%
CMY	0.0031, 0.3405, 0.6542
CMYK	0.00, 0.34, 0.65, 0.00
HSL	29°, 99%, 67%
HSV	29°, 65%, 100%
XYZ	56.7515, 49.8872, 15.9072
YIQ	184.5940, 76.9360, -6.6480

Conversions

Conversions Part 2

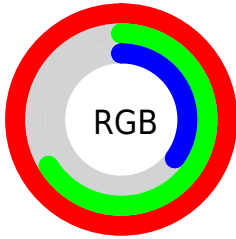
Format	Color
R _Y B	254, 242, 88
Decimal	16689240
CIE Lab	76.00, 24.48, 53.29
CIE LCh	76, 58.640, 65.324
Yxy	49.8872, 0.4631, 0.4071
Android (android.graphics.Color)	4294879320 (0xFFFEA858)
YUV	184.5940, -47.6208, 60.8691
Hunter-Lab	70.6309, 19.8195, 36.0886

Details

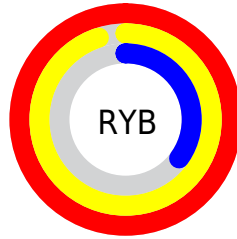
The CIELCh color **76, 58.640, 65.324** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **69, 47.324, 268.019**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 44.611, 89.478**, and **56, 58.551, 65.390** is the 20% darker color. If you saturate the color by 10%, you get **73, 68.386, 63.900**, and if you desaturate by 10%, it is **79, 48.704, 66.619**.

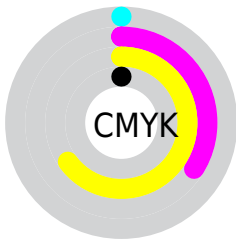
Distribution



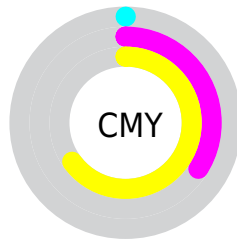
- Red (100%)
- Green (66%)
- Blue (35%)



- Red (100%)
- Yellow (95%)
- Blue (35%)



- Cyan (0%)
- Magenta (34%)
- Yellow (65%)
- Black (0%)



- Cyan (0%)
- Magenta (34%)
- Yellow (65%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 58.640, 65.324 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 76, 58.640, 65.324 by changing the saturation by 10% instead.

 76, 58.640, 65.324

 76, 58.640, 65.324

 100, 58.640,
65.324

 66, 58.640, 65.324

 96, 58.640, 65.324

 56, 58.640, 65.324

 46, 58.640, 65.324

 36, 58.640, 65.324

 26, 58.640, 65.324

 16, 58.640, 65.324

 6, 58.640, 65.324

 0, 58.640, 65.324

 76, 58.640, 65.324

 76, 58.640, 65.324

73, 68.386, 63.900

79, 48.704, 66.619

70, 77.164, 62.136

83, 38.972, 67.866

67, 83.746, 59.674

86, 29.614, 69.100

66, 86.097, 58.323

90, 20.689, 70.329

94, 12.202, 71.544

98, 4.127, 72.687

100, 0.276,
201.786

Harmonies

Complementary

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



76, 58.640, 65.324



69, 47.324, 268.019

Rectangle

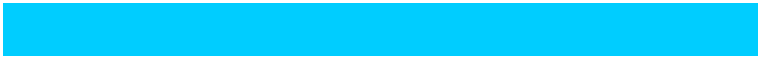
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76, 58.640, 65.324



76, 58.640, 115.324



76, 58.640, 245.324



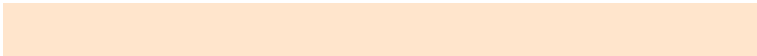
76, 58.640, 295.324

Sweetspot

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



76, 58.639, 65.328



92, 16.166, 70.977



63, 71.641, 349.619



48, 11.109, 70.635



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 58.639, 65.328



72, 71.062, 63.470



96, 76.236, 102.521



51, 4.475, 72.229



50, 69.229, 59.028



16, 27.034, 60.029

Inverse Universe

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



69, 47.324, 268.019



64, 55.928, 273.100



49, 92.804, 299.878



51, 4.363, 254.725



42, 56.219, 282.355



12, 22.970, 275.660

Previews

White Background



This preview shows how the CIELCh color 76, 58.640, 65.324 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 76, 58.640, 65.324 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 76, 58.640, 65.324

Background



This preview shows how black text looks on a background with the CIELCh color 76, 58.640, 65.324.



This preview shows how white text looks on a background with the CIELCh color 76, 58.640, 65.324.

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

76, 58.640, 65.324

Protanopia

76, 49.144, 95.915

Deuteranopia

76, 54.596, 80.002



Tritanopia
76, 37.286, 14.043

Trichromacy



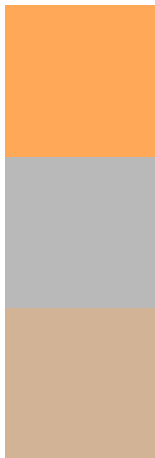
Original Color
76, 58.640, 65.324

Protanomaly
76, 50.284, 83.656

Deuteranomaly
76, 55.460, 74.318

Tritanomaly
76, 40.290, 39.130

Monochromacy



Original Color
76, 58.640, 65.324

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 20.162, 70.119

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 58.640, 65.324 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, 168, 88)` looks like.

```
.text, #text, p{  
    color:rgb(254, 168, 88)  
}
```

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, 168, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 168, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 58.640, 65.324 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, 168, 88) }
```

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

```
.border{ border-color:rgb(254, 168, 88) }
```

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

Here you see how a box with a 4 pixel rgb(254, 168, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 168, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 168, 88);  
box-shadow:4px 4px 4px 4px rgb(254, 168,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 58.640, 65.324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 168, 88) }
```

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

```
.background{ background-color: rgb(254,  
168, 88) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor