

Converting Colors

CIELCh(84, 81.133, 51.568)

Have a look what the booklet for
CIELCh(84, 81.133, 51.568) contains.

CIELCh(76, 58.159, 63.966)	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, 58.159, 63.966)

Conversions

Conversions Part 1

Format	Color
Hex	FFA75A
RGB	255, 167, 90
RGB Percent	100%, 65%, 35%
CMY	0.0000, 0.3434, 0.6455
CMYK	0.00, 0.34, 0.65, 0.00
HSL	28°, 100%, 68%
HSV	28°, 65%, 100%
XYZ	57.1750, 49.8872, 16.3772
YIQ	184.5340, 77.1650, -5.2910

Conversions

Conversions Part 2

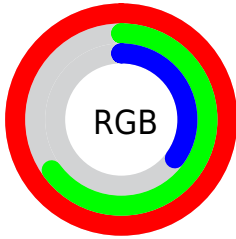
Format	Color
RYB	255, 234, 90
Decimal	16754522
CIELab	76.00, 25.53, 52.26
CIELCh	76, 58.159, 63.966
Yxy	49.8872, 0.4632, 0.4041
Android (android.graphics.Color)	4294944602 (0xFFFFA75A)
YUV	184.5340, -46.6053, 61.7987
Hunter-Lab	70.6309, 20.8900, 35.6940

Details

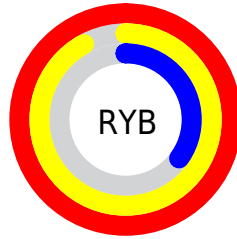
The CIELCh color **76, 58.159, 63.966** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **70, 45.998, 266.099**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 43.353, 88.534**, and **56, 58.237, 64.114** is the 20% darker color. If you saturate the color by 10%, you get **73, 67.928, 62.760**, and if you desaturate by 10%, it is **79, 47.974, 65.337**.

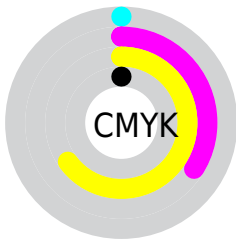
Distribution



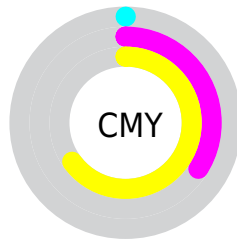
- Red (100%)
- Green (65%)
- Blue (35%)



- Red (100%)
- Yellow (92%)
- 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, 58.159, 63.966 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, 58.159, 63.966 by changing the saturation by 10% instead.

 76, 58.159, 63.966

 76, 58.159, 63.966

 100, 58.159,
63.966

 66, 58.159, 63.966

 96, 58.159, 63.966

 56, 58.159, 63.966

 46, 58.159, 63.966

 36, 58.159, 63.966

 26, 58.159, 63.966

 16, 58.159, 63.966

 6, 58.159, 63.966

 0, 58.159, 63.966

 76, 58.159, 63.966

 76, 58.159, 63.966

73, 67.928, 62.760

79, 47.974, 65.337

70, 77.011, 61.099

83, 38.205, 66.533

67, 84.026, 58.765

87, 28.849, 67.726

65, 86.887, 57.221

90, 19.953, 68.920

94, 11.514, 70.103

98, 3.504, 71.201

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.



76, 58.159, 63.966



70, 45.998, 266.099

Rectangle

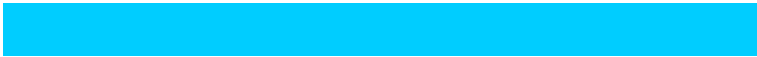
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76, 58.159, 63.966



76, 58.159, 113.966



76, 58.159, 243.966



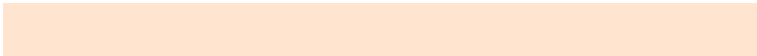
76, 58.159, 293.966

Sweetspot

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



76, 58.002, 64.108



93, 15.215, 69.580



63, 71.200, 349.475



48, 10.552, 69.240



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, 58.002, 64.108



72, 70.271, 62.393



96, 75.715, 102.581



51, 4.439, 70.683



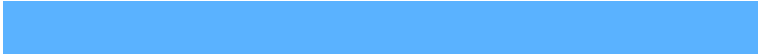
50, 69.674, 57.931



15, 27.071, 58.654

Inverse Universe

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



70, 45.998, 266.099



65, 53.993, 271.054



49, 91.853, 299.699



51, 4.319, 253.145



43, 54.644, 280.862



13, 22.401, 274.064

Previews

White Background



This preview shows how the CIELCh color 76, 58.159, 63.966 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, 58.159, 63.966 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, 58.159, 63.966

Background



This preview shows how black text looks on a background with the CIELCh color 76, 58.159, 63.966.



This preview shows how white text looks on a background with the CIELCh color 76, 58.159, 63.966.

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, 58.159, 63.966

Protanopia

76, 48.196, 95.834

Deuteranopia

76, 53.721, 79.696



Tritanopia
76, 37.286, 14.043

Trichromacy



Original Color
76, 58.159, 63.966

Protanomaly
76, 49.369, 83.365

Deuteranomaly
76, 54.608, 73.928

Tritanomaly
76, 40.510, 38.340

Monochromacy



Original Color
76, 58.159, 63.966

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 19.729, 69.244

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 58.159, 63.966 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, 167, 90)` looks like.

```
.text, #text, p{  
    color:rgb(255, 167, 90)  
}
```

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, 167, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 167, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 58.159, 63.966 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, 167, 90) }
```

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

```
.border{ border-color:rgb(255, 167, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 167, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 167, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 167, 90);  
box-shadow:4px 4px 4px 4px rgb(255, 167,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 58.159, 63.966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 167, 90) }
```

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

```
.background{ background-color: rgb(255,  
167, 90) }
```

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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