

Converting Colors

CIELCh(76, 51.927, 59.066)

Have a look what the booklet for
CIELCh(76, 51.927, 59.066) contains.

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Color

CIELCh(76, 51.870, 59.171)

Conversions

Conversions Part 1

Format	Color
Hex	FFA76A
RGB	255, 167, 106
RGB Percent	100%, 65%, 42%
CMY	0.0004, 0.3454, 0.5846
CMYK	0.00, 0.35, 0.58, 0.00
HSL	25°, 100%, 71%
HSV	25°, 58%, 100%
XYZ	57.6052, 49.8872, 20.2068
YIQ	186.3580, 72.0290, -0.3150

Conversions

Conversions Part 2

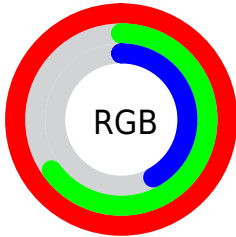
Format	Color
R _Y B	255, 209, 106
Decimal	16754538
CIE Lab	76.00, 26.58, 44.54
CIE LCh	76, 51.870, 59.171
Yxy	49.8872, 0.4511, 0.3907
Android (android.graphics.Color)	4294944618 (0xFFFFA76A)
YUV	186.3580, -39.6165, 60.1990
Hunter-Lab	70.6309, 21.9772, 32.4794

Details

The CIELCh color **76, 51.870, 59.171** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **75, 39.091, 256.481**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 35.235, 85.306**, and **56, 51.883, 59.706** is the 20% darker color. If you saturate the color by 10%, you get **72, 62.316, 58.232**, and if you desaturate by 10%, it is **80, 41.726, 60.103**.

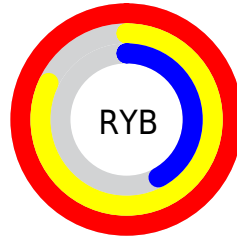
Distribution



Red (100%)

Green (65%)

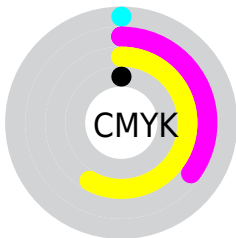
Blue (42%)



Red (100%)

Yellow (82%)

Blue (42%)

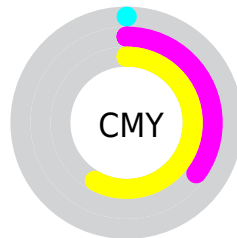


Cyan (0%)

Magenta (35%)

Yellow (58%)

Black (0%)



Cyan (0%)

Magenta (35%)

Yellow (58%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 51.870, 59.171 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, 51.870, 59.171 by changing the saturation by 10% instead.

 76, 51.870, 59.171

 76, 51.870, 59.171

 100, 51.870,
59.171

 66, 51.870, 59.171

 96, 51.870, 59.171

 56, 51.870, 59.171

 46, 51.870, 59.171

 36, 51.870, 59.171

 26, 51.870, 59.171

 16, 51.870, 59.171

 6, 51.870, 59.171

 0, 51.870, 59.171

 76, 51.870, 59.171

 76, 51.870, 59.171

72, 62.316, 58.232

80, 41.726, 60.103

69, 72.614, 57.153

84, 32.078, 61.059

66, 81.824, 55.659

88, 22.983, 62.049

63, 88.628, 53.348

92, 14.437, 63.064

63, 89.585, 52.990

96, 6.407, 64.065

100, 0.034,
219.145

Harmonies

Complementary

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



76, 51.870, 59.171



75, 39.091, 256.481

Rectangle

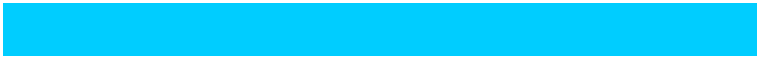
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76, 51.870, 59.171



76, 51.870, 109.171



76, 51.870, 239.171



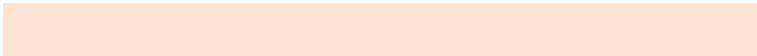
76, 51.870, 289.171

Sweetspot

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



76, 51.869, 59.175



92, 14.072, 63.109



66, 68.274, 344.403



48, 9.869, 62.813



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, 51.869, 59.175



72, 63.962, 58.078



94, 66.002, 99.536



51, 4.328, 63.963



48, 71.777, 53.675



15, 27.388, 53.070

Inverse Universe

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



75, 39.091, 256.481



71, 45.492, 260.642



56, 76.208, 295.714



51, 4.173, 246.203



46, 48.471, 273.764



14, 20.218, 266.613

Previews

White Background



This preview shows how the CIELCh color 76, 51.870, 59.171 looks on a white background.

Color Contrast Check

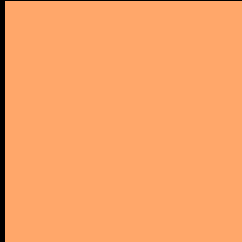
Large Text (above 18pt) WCAG AA × Fail

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, 51.870, 59.171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

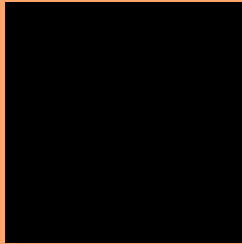
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 51.870, 59.171

Background



This preview shows how black text looks on a background with the CIELCh color 76, 51.870, 59.171.



This preview shows how white text looks on a background with the CIELCh color 76, 51.870, 59.171.

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, 51.870, 59.171

Protanopia

76, 39.729, 95.997

Deuteranopia

76, 46.320, 78.216

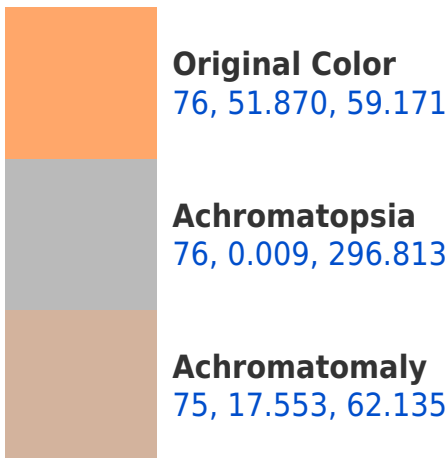


Tritanopia
76, 37.286, 14.043

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 51.870, 59.171 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, 106)` looks like.

```
.text, #text, p{  
    color:rgb(255, 167, 106)  
}
```

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, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 167, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 51.870, 59.171 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, 106) }
```

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

```
.border{ border-color:rgb(255, 167, 106) }
```

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, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 167, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 167, 106);  
box-shadow:4px 4px 4px 4px rgb(255, 167,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 51.870, 59.171 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, 106) }
```

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

```
.background{ background-color: rgb(255,  
167, 106) }
```

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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