

Converting Colors

CIELCh(78, 66.402, 59.256)

Have a look what the booklet for
CIELCh(78, 66.402, 59.256) contains.

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Color

CIELCh(76, 59.735, 64.395)

Conversions

Conversions Part 1

Format	Color
Hex	FFA757
RGB	255, 167, 87
RGB Percent	100%, 65%, 34%
CMY	0.0000, 0.3445, 0.6585
CMYK	0.00, 0.34, 0.66, 0.00
HSL	29°, 100%, 67%
HSV	29°, 66%, 100%
XYZ	57.2926, 49.8872, 15.6443
YIQ	184.1920, 78.1280, -6.2240

Conversions

Conversions Part 2

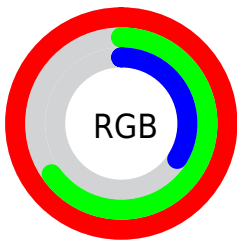
Format	Color
R _Y B	255, 240, 87
Decimal	16754519
CIE Lab	76.00, 25.82, 53.87
CIE LCh	76, 59.735, 64.395
Yxy	49.8872, 0.4665, 0.4062
Android (android.graphics.Color)	4294944599 (0xFFFFA757)
YUV	184.1920, -47.9157, 62.0986
Hunter-Lab	70.6309, 21.1871, 36.3093

Details

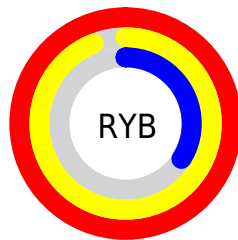
The CIELCh color **76, 59.735, 64.395** is a light color, and the websafe version is hex **FF9933**. The color can be described as light muted orange. A complement of this color would be **69, 47.444, 267.623**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 44.780, 88.951**, and **56, 59.596, 64.891** is the 20% darker color. If you saturate the color by 10%, you get **73, 69.101, 63.356**, and if you desaturate by 10%, it is **79, 49.321, 66.048**.

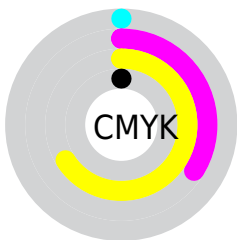
Distribution



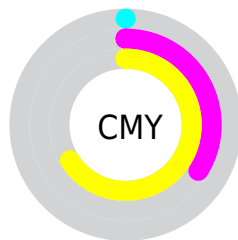
- Red (100%)
- Green (65%)
- Blue (34%)



- Red (100%)
- Yellow (94%)
- Blue (34%)



- Cyan (0%)
- Magenta (34%)
- Yellow (66%)
- Black (0%)



- Cyan (0%)
- Magenta (34%)
- Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 59.735, 64.395 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, 59.735, 64.395 by changing the saturation by 10% instead.

 76, 59.735, 64.395

 76, 59.735, 64.395

 100, 59.735,
64.395

 66, 59.735, 64.395

 96, 59.735, 64.395

 56, 59.735, 64.395

 46, 59.735, 64.395

 36, 59.735, 64.395

 26, 59.735, 64.395

 16, 59.735, 64.395

 6, 59.735, 64.395

 0, 59.735, 64.395

 76, 59.735, 64.395

 76, 59.735, 64.395

73, 69.101, 63.356

79, 49.321, 66.048

70, 77.881, 61.588

83, 39.533, 67.278

67, 84.398, 59.095

86, 30.125, 68.498

66, 86.515, 57.910

90, 21.160, 69.715

94, 12.642, 70.920

98, 4.545, 72.064

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, 59.735, 64.395



69, 47.444, 267.623

Rectangle

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



76, 59.735, 64.395



76, 59.735, 114.395



76, 59.735, 244.395



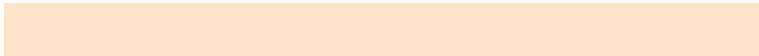
76, 59.735, 294.395

Sweetspot

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



76, 59.312, 64.772



92, 16.125, 70.422



63, 72.244, 349.724



48, 11.082, 70.083



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, 59.312, 64.772



72, 72.029, 62.851



96, 76.917, 102.478



51, 4.461, 71.663



50, 69.390, 58.621



16, 27.046, 59.522

Inverse Universe

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



69, 47.444, 267.623



64, 56.104, 272.948



48, 93.868, 300.007



51, 4.347, 254.148



43, 55.636, 281.814



12, 22.759, 275.081

Previews

White Background



This preview shows how the CIELCh color 76, 59.735, 64.395 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, 59.735, 64.395 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, 59.735, 64.395

Background



This preview shows how black text looks on a background with the CIELCh color 76, 59.735, 64.395.



This preview shows how white text looks on a background with the CIELCh color 76, 59.735, 64.395.

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, 59.345, 64.712

Protanopia

76, 49.615, 95.953

Deuteranopia

76, 55.287, 79.706



Tritanopia
76, 37.295, 14.855

Trichromacy



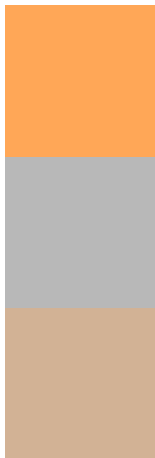
Original Color
76, 59.345, 64.712

Protanomaly
76, 50.965, 83.308

Deuteranomaly
76, 56.192, 74.099

Tritanomaly
76, 41.004, 39.642

Monochromacy



Original Color
76, 59.345, 64.712

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 20.455, 69.219

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 59.735, 64.395 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, 87)` looks like.

```
.text, #text, p{  
    color:rgb(255, 167, 87)  
}
```

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, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 167, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 59.735, 64.395 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, 87) }
```

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

```
.border{ border-color:rgb(255, 167, 87) }
```

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, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 167, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 167, 87);  
box-shadow:4px 4px 4px 4px rgb(255, 167,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 59.735, 64.395 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, 87) }
```

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

```
.background{ background-color: rgb(255,  
167, 87) }
```

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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