

Converting Colors

CIELCh(76, 56.140, 63.170)

Have a look what the booklet for
CIELCh(76, 56.140, 63.170) contains.

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Color

CIELCh(76, 56.176, 63.217)

Conversions

Conversions Part 1

Format	Color
Hex	FFA85F
RGB	255, 168, 95
RGB Percent	100%, 66%, 37%
CMY	0.0015, 0.3425, 0.6287
CMYK	0.00, 0.34, 0.63, 0.00
HSL	27°, 100%, 68%
HSV	27°, 63%, 100%
XYZ	57.0887, 49.8872, 17.3706
YIQ	185.6910, 75.2850, -4.2590

Conversions

Conversions Part 2

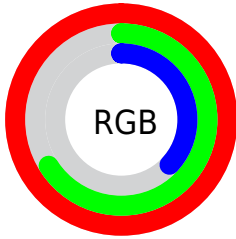
Format	Color
R _Y B	255, 229, 95
Decimal	16754783
CIE Lab	76.00, 25.31, 50.15
CIE LCh	76, 56.176, 63.217
Yxy	49.8872, 0.4591, 0.4012
Android (android.graphics.Color)	4294944863 (0xFFFFA85F)
YUV	185.6910, -44.7107, 60.7840
Hunter-Lab	70.6309, 20.6717, 34.8602

Details

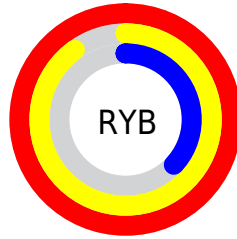
The CIELCh color **76, 56.176, 63.217** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **71, 44.105, 264.061**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 41.269, 88.475**, and **56, 56.036, 63.375** is the 20% darker color. If you saturate the color by 10%, you get **73, 66.240, 61.961**, and if you desaturate by 10%, it is **80, 46.128, 64.390**.

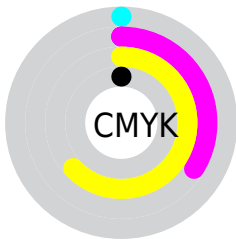
Distribution



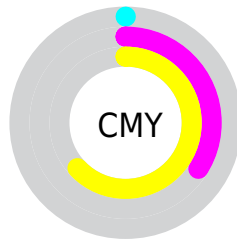
- Red (100%)
- Green (66%)
- Blue (37%)



- Red (100%)
- Yellow (90%)
- Blue (37%)



- Cyan (0%)
- Magenta (34%)
- Yellow (63%)
- Black (0%)



- Cyan (0%)
- Magenta (34%)
- Yellow (63%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 56.176, 63.217 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, 56.176, 63.217 by changing the saturation by 10% instead.

 76, 56.176, 63.217

 76, 56.176, 63.217

 100, 56.176,
63.217

 66, 56.176, 63.217

 96, 56.176, 63.217

 56, 56.176, 63.217

 46, 56.176, 63.217

 36, 56.176, 63.217

 26, 56.176, 63.217

 16, 56.176, 63.217

 6, 56.176, 63.217

 0, 56.176, 63.217

 76, 56.176, 63.217

 76, 56.176, 63.217

73, 66.240, 61.961

80, 46.128, 64.390

70, 75.668, 60.439

83, 36.407, 65.541

67, 83.301, 58.315

87, 27.135, 66.698

65, 87.291, 56.338

91, 18.345, 67.860

95, 10.023, 69.011

99, 2.137, 70.000

100, 0.134,
204.333

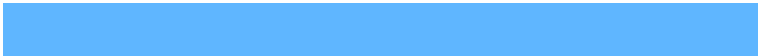
Harmonies

Complementary

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



76, 56.176, 63.217



71, 44.105, 264.061

Rectangle

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



76, 56.176, 63.217



76, 56.176, 113.217



76, 56.176, 243.217



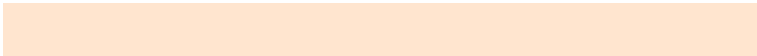
76, 56.176, 293.217

Sweetspot

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



76, 56.175, 63.221



92, 15.137, 68.301



64, 70.252, 348.090



48, 10.500, 67.970



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, 56.175, 63.221



72, 68.473, 61.659



95, 72.998, 101.857



51, 4.413, 69.381



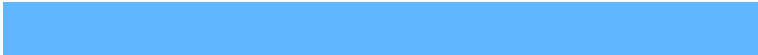
49, 70.063, 57.042



15, 27.113, 57.522

Inverse Universe

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



71, 44.105, 264.061



67, 51.743, 268.806



51, 87.408, 298.704



51, 4.286, 251.807



44, 53.363, 279.566



13, 21.941, 272.686

Previews

White Background



This preview shows how the CIELCh color 76, 56.176, 63.217 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, 56.176, 63.217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

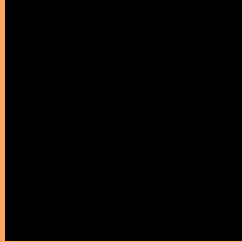
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 56.176, 63.217

Background



This preview shows how black text looks on a background with the CIELCh color 76, 56.176, 63.217.



This preview shows how white text looks on a background with the CIELCh color 76, 56.176, 63.217.

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, 56.176, 63.217

Protanopia

76, 46.281, 95.651

Deuteranopia

76, 51.735, 79.460



Tritanopia
76, 37.286, 14.043

Trichromacy



Original Color
76, 56.176, 63.217

Protanomaly
76, 47.525, 82.732

Deuteranomaly
76, 52.893, 73.095

Tritanomaly
76, 40.040, 37.002

Monochromacy



Original Color
76, 56.176, 63.217

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 19.301, 68.327

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 56.176, 63.217 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, 168, 95)` looks like.

```
.text, #text, p{  
    color:rgb(255, 168, 95)  
}
```

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, 168, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 168, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 56.176, 63.217 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, 168, 95) }
```

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

```
.border{ border-color:rgb(255, 168, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 168, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 168, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 168, 95);  
box-shadow:4px 4px 4px 4px rgb(255, 168,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 56.176, 63.217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 168, 95) }
```

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

```
.background{ background-color: rgb(255,  
168, 95) }
```

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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