

Converting Colors

CIELCh(80, 68.503, 54.465)

Have a look what the booklet for
CIELCh(80, 68.503, 54.465) contains.

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Color

CIELCh(76, 56.190, 62.026)

Conversions

Conversions Part 1

Format	Color
Hex	FFA760
RGB	255, 167, 96
RGB Percent	100%, 65%, 38%
CMY	0.0000, 0.3455, 0.6242
CMYK	0.00, 0.35, 0.62, 0.00
HSL	27°, 100%, 69%
HSV	27°, 62%, 100%
XYZ	57.5133, 49.8872, 17.6238
YIQ	185.2180, 75.2390, -3.4250

Conversions

Conversions Part 2

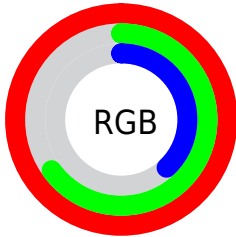
Format	Color
R_{YB}	255, 224, 96
Decimal	16754528
CIE Lab	76.00, 26.36, 49.62
CIE LCh	76, 56.190, 62.026
Yxy	49.8872, 0.4600, 0.3990
Android (android.graphics.Color)	4294944608 (0xFFFFA760)
YUV	185.2180, -43.9845, 61.1988
Hunter-Lab	70.6309, 21.7449, 34.6476

Details

The CIELCh color **76, 56.190, 62.026** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **72, 43.327, 262.680**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 40.490, 87.580**, and **56, 55.710, 62.529** is the 20% darker color. If you saturate the color by 10%, you get **73, 66.017, 61.116**, and if you desaturate by 10%, it is **79, 45.750, 63.438**.

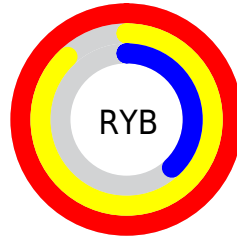
Distribution



Red (100%)

Green (65%)

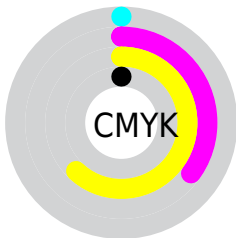
Blue (38%)



Red (100%)

Yellow (88%)

Blue (38%)

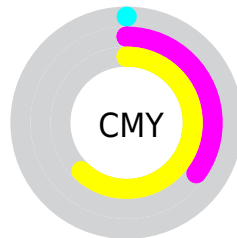


Cyan (0%)

Magenta (35%)

Yellow (62%)

Black (0%)



Cyan (0%)

Magenta (35%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 56.190, 62.026 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, 56.190, 62.026 by changing the saturation by 10% instead.

76, 56.190, 62.026

76, 56.190, 62.026

100, 56.190,
62.026

66, 56.190, 62.026

96, 56.190, 62.026

56, 56.190, 62.026

46, 56.190, 62.026

36, 56.190, 62.026

26, 56.190, 62.026

16, 56.190, 62.026

6, 56.190, 62.026

0, 56.190, 62.026

76, 56.190, 62.026

76, 56.190, 62.026

73, 66.017, 61.116

79, 45.750, 63.438

69, 75.614, 59.667

83, 36.007, 64.550

66, 83.494, 57.632

87, 26.735, 65.673

64, 87.843, 55.592

91, 17.962, 66.806

95, 9.671, 67.931

99, 1.827, 68.858

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, 56.190, 62.026



72, 43.327, 262.680

Rectangle

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



76, 56.190, 62.026



76, 56.190, 112.026



76, 56.190, 242.026



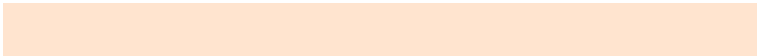
76, 56.190, 292.026

Sweetspot

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



76, 55.851, 62.317



92, 15.076, 67.193



64, 70.612, 346.986



48, 10.461, 66.869



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, 55.851, 62.317



72, 68.586, 60.776



95, 71.745, 101.000



51, 4.392, 68.249



49, 70.409, 56.297



15, 27.158, 56.559

Inverse Universe

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



72, 43.327, 262.680



67, 50.932, 267.570



52, 85.279, 298.001



51, 4.258, 250.643



44, 52.283, 278.411



13, 21.557, 271.465

Previews

White Background



This preview shows how the CIELCh color 76, 56.190, 62.026 looks on a white background.

Color Contrast Check

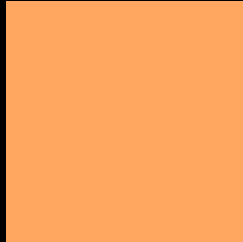
Large Text (above 18pt) WCAG AA × Fail

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, 56.190, 62.026 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, 56.190, 62.026

Background



This preview shows how black text looks on a background with the CIELCh color 76, 56.190, 62.026.



This preview shows how white text looks on a background with the CIELCh color 76, 56.190, 62.026.

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, 55.785, 62.337

Protanopia

76, 45.230, 96.083

Deuteranopia

76, 51.289, 79.287



Tritanopia
76, 37.286, 14.043

Trichromacy



Original Color
76, 55.785, 62.337

Protanomaly
76, 46.837, 81.874

Deuteranomaly
76, 52.463, 72.874

Tritanomaly
76, 40.040, 37.002

Monochromacy



Original Color
76, 55.785, 62.337

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 18.771, 65.446

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 56.190, 62.026 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, 96)` looks like.

```
.text, #text, p{  
    color:rgb(255, 167, 96)  
}
```

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, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 167, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 56.190, 62.026 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, 96) }
```

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

```
.border{ border-color:rgb(255, 167, 96) }
```

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, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 167, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 167, 96);  
box-shadow:4px 4px 4px 4px rgb(255, 167,  
96) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 56.190, 62.026 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, 96) }
```

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

```
.background{ background-color: rgb(255,  
167, 96) }
```

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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