

Converting Colors

CIELCh(75, 57.135, 60.862)

Have a look what the booklet for
CIELCh(75, 57.135, 60.862) contains.

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Color

CIELCh(75, 57.034, 60.834)

Conversions

Conversions Part 1

Format	Color
Hex	FFA35D
RGB	255, 163, 93
RGB Percent	100%, 64%, 36%
CMY	0.0000, 0.3605, 0.6351
CMYK	0.00, 0.36, 0.64, 0.00
HSL	26°, 100%, 68%
HSV	26°, 64%, 100%
XYZ	56.3494, 48.2781, 16.7172
YIQ	182.5280, 77.3020, -2.2660

Conversions

Conversions Part 2

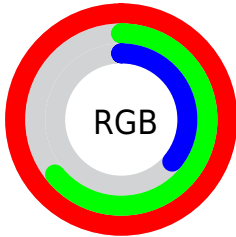
Format	Color
RYP	255, 216, 93
Decimal	16753501
CIE Lab	75.00, 27.80, 49.80
CIE LCh	75, 57.034, 60.834
Yxy	48.2781, 0.4644, 0.3979
Android (android.graphics.Color)	4294943581 (0xFFFFA35D)
YUV	182.5280, -44.1373, 63.5579
Hunter-Lab	69.4824, 23.1670, 34.3728

Details

The CIELCh color **75, 57.034, 60.834** 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 **72, 43.182, 261.257**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 40.778, 85.150**, and **55, 57.050, 60.902** is the 20% darker color. If you saturate the color by 10%, you get **72, 67.273, 59.720**, and if you desaturate by 10%, it is **79, 46.806, 61.909**.

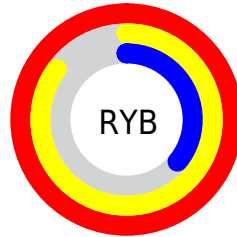
Distribution



Red (100%)

Green (64%)

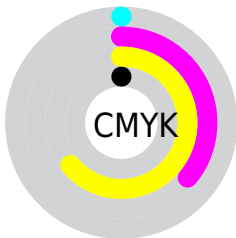
Blue (36%)



Red (100%)

Yellow (85%)

Blue (36%)

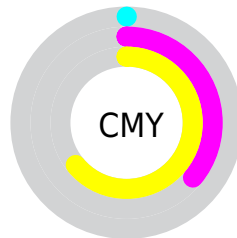


Cyan (0%)

Magenta (36%)

Yellow (64%)

Black (0%)



Cyan (0%)

Magenta (36%)

Yellow (64%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 57.034, 60.834 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 75, 57.034, 60.834 by changing the saturation by 10% instead.

 75, 57.034, 60.834

 75, 57.034, 60.834

 100, 57.034,
60.834

 65, 57.034, 60.834

 95, 57.034, 60.834

 55, 57.034, 60.834

 45, 57.034, 60.834

 35, 57.034, 60.834

 25, 57.034, 60.834

 15, 57.034, 60.834

 5, 57.034, 60.834

 0, 57.034, 60.834

 75, 57.034, 60.834

 75, 57.034, 60.834

72, 67.273, 59.720

79, 46.806, 61.909

68, 76.914, 58.317

82, 36.972, 62.959

65, 84.719, 56.278

86, 27.630, 64.027

64, 88.501, 54.569

90, 18.808, 65.114

94, 10.492, 66.203

99, 2.643, 67.173

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.



75, 57.034, 60.834



72, 43.182, 261.257

Rectangle

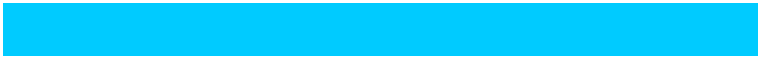
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75, 57.034, 60.834



75, 57.034, 110.834



75, 57.034, 240.834



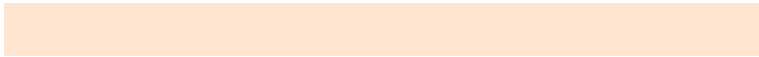
75, 57.034, 290.834

Sweetspot

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



75, 57.011, 60.855



92, 14.999, 65.607



64, 72.186, 346.147



48, 10.411, 65.294



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



75, 57.011, 60.855



71, 69.772, 59.406



94, 71.826, 99.977



51, 4.365, 66.628



49, 70.917, 55.268



15, 27.234, 55.209

Inverse Universe

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



72, 43.182, 261.257



68, 50.391, 266.190



52, 85.266, 297.640



51, 4.223, 248.968



45, 50.790, 276.705



13, 21.028, 269.672

Previews

White Background



This preview shows how the CIELCh color 75, 57.034, 60.834 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 75, 57.034, 60.834 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 75, 57.034, 60.834

Background



This preview shows how black text looks on a background with the CIELCh color 75, 57.034, 60.834.



This preview shows how white text looks on a background with the CIELCh color 75, 57.034, 60.834.

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





Tritanopia
75, 39.026, 14.676

Trichromacy



Original Color
75, 57.034, 60.834

Protanomaly
75, 47.375, 80.821

Deuteranomaly
75, 52.798, 71.749

Tritanomaly
75, 41.686, 35.937

Monochromacy



Original Color
75, 57.034, 60.834

Achromatopsia
74, 0.009, 296.813

Achromatomaly
74, 19.520, 65.556

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 57.034, 60.834 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, 163, 93)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 93)  
}
```

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, 163, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 57.034, 60.834 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, 163, 93) }
```

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

```
.border{ border-color:rgb(255, 163, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 163, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 93);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 57.034, 60.834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 163, 93) }
```

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

```
.background{ background-color: rgb(255,  
163, 93) }
```

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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