

# Converting Colors

CIELCh(75, 53.682, 56.722)

Have a look what the booklet for  
CIELCh(75, 53.682, 56.722) contains.

<b>CIELCh(75, 53.243, 57.029)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# **Color**

**CIELCh(75, 53.243, 57.029)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFA267
RGB	255, 162, 103
RGB Percent	100%, 64%, 40%
CMY	0.0000, 0.3634, 0.5948
CMYK	0.00, 0.36, 0.59, 0.00
HSL	23°, 100%, 70%
HSV	23°, 59%, 100%
XYZ	56.8259, 48.2781, 19.2389
YIQ	183.0810, 74.3670, 1.3670

# Conversions

## Conversions Part 2

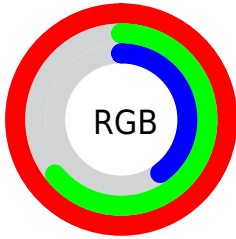
Format	Color
R <sub>Y</sub> B	255, 199, 103
Decimal	16753255
CIE Lab	75.00, 28.98, 44.67
CIE LCh	75, 53.243, 57.029
Yxy	48.2781, 0.4570, 0.3883
Android (android.graphics.Color)	4294943335 (0xFFFFA267)
YUV	183.0810, -39.4799, 63.0730
Hunter-Lab	69.4824, 24.3910, 32.2210

# Details

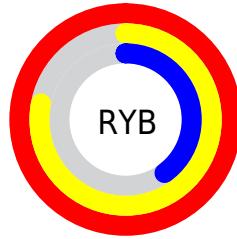
The CIELCh color **75, 53.243, 57.029** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **76, 38.822, 254.002**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 35.800, 81.964**, and **55, 53.036, 57.141** is the 20% darker color. If you saturate the color by 10%, you get **71, 63.716, 56.320**, and if you desaturate by 10%, it is **79, 42.810, 57.940**.

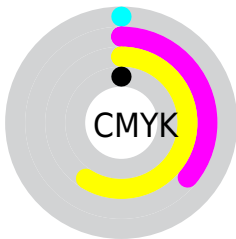
# Distribution



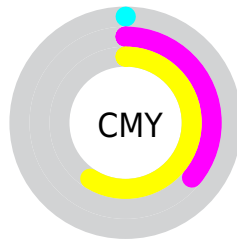
- Red (100%)
- Green (64%)
- Blue (40%)



- Red (100%)
- Yellow (78%)
- Blue (40%)



- Cyan (0%)
- Magenta (36%)
- Yellow (59%)
- Black (0%)



- Cyan (0%)
- Magenta (36%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 53.243, 57.029 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, 53.243, 57.029 by changing the saturation by 10% instead.



75, 53.243, 57.029

75, 53.243, 57.029

100, 53.243,  
57.029

65, 53.243, 57.029

95, 53.243, 57.029

55, 53.243, 57.029

45, 53.243, 57.029

35, 53.243, 57.029

25, 53.243, 57.029

15, 53.243, 57.029

5, 53.243, 57.029

0, 53.243, 57.029

75, 53.243, 57.029

75, 53.243, 57.029

71, 63.716, 56.320

79, 42.810, 57.940

68, 74.164, 55.368

83, 33.037, 58.790

65, 83.443, 53.971

87, 23.849, 59.688

62, 90.300, 51.772

91, 15.241, 60.623

62, 90.633, 51.665

96, 7.179, 61.561

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, 53.243, 57.029



76, 38.822, 254.002

# Rectangle

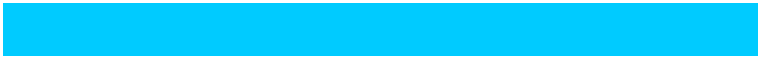
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75, 53.243, 57.029



75, 53.243, 107.029



75, 53.243, 237.029



75, 53.243, 287.029

# Sweetspot

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



75, 53.103, 57.132



92, 14.012, 60.763



66, 69.941, 343.603



48, 9.831, 60.488



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, 53.103, 57.132



71, 65.329, 56.189



93, 66.151, 98.465



51, 4.304, 61.559



47, 72.574, 52.335



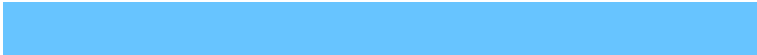
14, 27.555, 51.219





# Inverse Universe

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



76, 38.822, 254.002



72, 44.790, 258.172



56, 76.182, 295.273



51, 4.137, 243.694



48, 46.519, 270.952



14, 19.547, 263.725



# Previews

## White Background



This preview shows how the CIELCh color 75, 53.243, 57.029 looks on a white background.

## Color Contrast Check

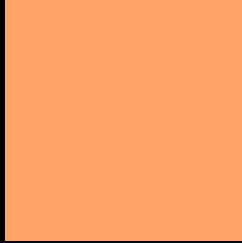
Large Text (above 18pt) WCAG AA × Fail

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, 53.243, 57.029 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

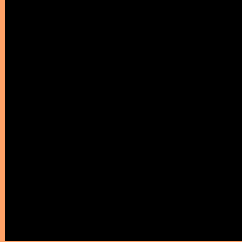
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 75, 53.243, 57.029

## Background



This preview shows how black text looks on a background with the CIELCh color 75, 53.243, 57.029.

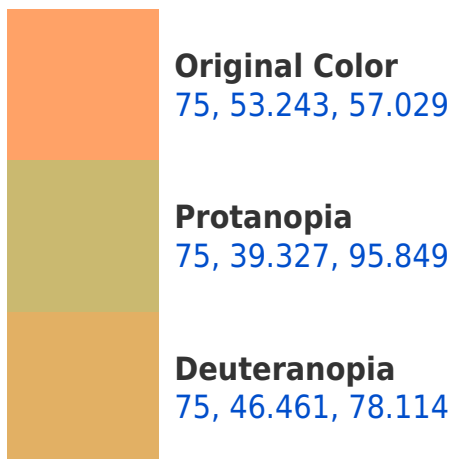


This preview shows how white text looks on a background with the CIELCh color 75, 53.243, 57.029.

# 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, 53.243, 57.029

**Protanomaly**  
75, 41.370, 79.227

**Deuteranomaly**  
75, 48.221, 69.568

**Tritanomaly**  
75, 41.044, 33.933

# Monochromacy



**Original Color**  
75, 53.243, 57.029

**Achromatopsia**  
74, 0.009, 296.813

**Achromatomaly**  
74, 17.891, 59.182

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 75, 53.243, 57.029 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, 162, 103)` looks like.

```
.text, #text, p{  
    color:rgb(255, 162, 103)  
}
```

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, 162, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 162, 103) }
```

## Border

The CSS property to change the border of an element to CIELCh 75, 53.243, 57.029 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, 162, 103) }
```

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

```
.border{ border-color:rgb(255, 162, 103) }
```

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

Here you see how a box with a 4 pixel rgb(255, 162, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 162, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 162, 103);  
box-shadow:4px 4px 4px 4px rgb(255, 162,  
103) }
```

# Background

The CSS property to change the background color of an element to CIELCh 75, 53.243, 57.029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 162, 103) }
```

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

```
.background{ background-color: rgb(255,  
162, 103) }
```

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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