

# Converting Colors

CIELCh(73, 60.656, 59.762)

Have a look what the booklet for  
CIELCh(73, 60.656, 59.762) contains.

<b>CIELCh(73, 60.492, 59.647)</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(73, 60.492, 59.647)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FD9B53
RGB	253, 155, 83
RGB Percent	99%, 61%, 33%
CMY	0.0061, 0.3906, 0.6731
CMYK	0.00, 0.39, 0.67, 0.01
HSL	25°, 98%, 66%
HSV	25°, 67%, 99%
XYZ	54.0286, 45.1644, 14.1263
YIQ	176.0940, 81.5200, -1.6160

# Conversions

## Conversions Part 2

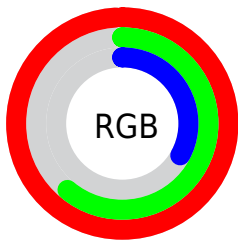
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	253, 208, 83
Decimal	16620371
CIE Lab	73.00, 30.57, 52.20
CIE LCh	73, 60.492, 59.647
Yxy	45.1644, 0.4768, 0.3986
Android (android.graphics.Color)	4294810451 (0xFFFD9B53)
YUV	176.0940, -45.8953, 67.4466
Hunter-Lab	67.2044, 25.8962, 34.5804

# Details

The CIELCh color **73, 60.492, 59.647** 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, 44.534, 261.415**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **87, 43.467, 81.284**, and **53, 60.405, 59.778** is the 20% darker color. If you saturate the color by 10%, you get **70, 70.669, 58.506**, and if you desaturate by 10%, it is **77, 50.208, 60.670**.

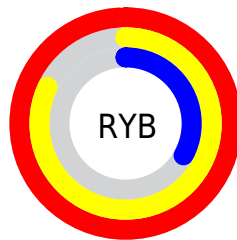
# Distribution



Red (99%)

Green (61%)

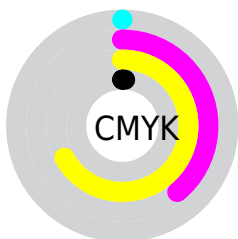
Blue (33%)



Red (99%)

Yellow (82%)

Blue (33%)

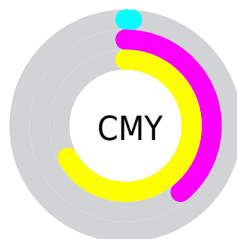


Cyan (0%)

Magenta (39%)

Yellow (67%)

Black (1%)



Cyan (1%)

Magenta (39%)

Yellow (67%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 60.492, 59.647 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 73, 60.492, 59.647 by changing the saturation by 10% instead.



 73, 60.492, 59.647

 73, 60.492, 59.647

 100, 60.492,  
59.647

 63, 60.492, 59.647

 93, 60.492, 59.647

 53, 60.492, 59.647

 43, 60.492, 59.647

 33, 60.492, 59.647

 23, 60.492, 59.647

 13, 60.492, 59.647

 3, 60.492, 59.647

 0, 60.492, 59.647

 73, 60.492, 59.647

 73, 60.492, 59.647

70, 70.669, 58.506

77, 50.208, 60.670

67, 79.887, 56.990

80, 40.233, 61.673

64, 86.796, 54.676

84, 30.736, 62.697

63, 88.503, 53.960

88, 21.769, 63.746

92, 13.325, 64.809

96, 5.372, 65.841

100, 0.542,  
200.594

# Harmonies

# Complementary

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



73, 60.492, 59.647



71, 44.534, 261.415

# Rectangle

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



73, 60.492, 59.647



73, 60.492, 109.647



73, 60.492, 239.647



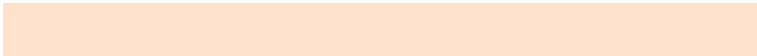
73, 60.492, 289.647

# Sweetspot

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



73, 60.491, 59.651



92, 15.793, 64.501



62, 74.730, 346.747



48, 10.867, 64.201



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



73, 60.491, 59.651



69, 74.808, 57.977



93, 74.723, 99.642



51, 4.349, 65.604



48, 71.244, 54.642



15, 27.290, 54.376





# Inverse Universe

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



71, 44.534, 261.415



66, 52.434, 267.247



49, 90.170, 298.546



51, 4.202, 247.907



46, 49.879, 275.596



14, 20.708, 268.514



# Previews

## White Background



This preview shows how the CIELCh color 73, 60.492, 59.647 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 73, 60.492, 59.647 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 73, 60.492, 59.647

## Background



This preview shows how black text looks on a background with the CIELCh color 73, 60.492, 59.647.



This preview shows how white text looks on a background with the CIELCh color 73, 60.492, 59.647.

# 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

73, 60.492, 59.647

### Protanopia

73, 47.409, 96.031

### Deuteranopia

73, 53.632, 80.201



**Tritanopia**  
73, 42.586, 16.604



# Trichromacy



**Original Color**  
73, 60.492, 59.647

**Protanomaly**  
73, 49.222, 80.670

**Deuteranomaly**  
73, 55.104, 72.023

**Tritanomaly**  
73, 45.537, 36.618

# Monochromacy



**Original Color**  
73, 60.492, 59.647

**Achromatopsia**  
72, 0.009, 296.813

**Achromatomaly**  
72, 20.705, 64.756

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 73, 60.492, 59.647 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(253, 155, 83)` looks like.

```
.text, #text, p{  
    color:rgb(253, 155, 83)  
}
```

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(253, 155, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 155, 83) }
```

## Border

The CSS property to change the border of an element to CIELCh 73, 60.492, 59.647 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(253, 155, 83) }
```

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

```
.border{ border-color:rgb(253, 155, 83) }
```

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

Here you see how a box with a 4 pixel rgb(253, 155, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 155, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 155, 83);  
box-shadow:4px 4px 4px 4px rgb(253, 155,  
83) }
```

# Background

The CSS property to change the background color of an element to CIELCh 73, 60.492, 59.647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 155, 83) }
```

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

```
.background{ background-color: rgb(253,  
155, 83) }
```

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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