

Converting Colors

CIELCh(77, 72.409, 52.040)

Have a look what the booklet for
CIELCh(77, 72.409, 52.040) contains.

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Color

CIELCh(73, 60.507, 58.078)

Conversions

Conversions Part 1

Format	Color
Hex	FF9A55
RGB	255, 154, 85
RGB Percent	100%, 60%, 33%
CMY	0.0000, 0.3951, 0.6658
CMYK	0.00, 0.40, 0.67, 0.00
HSL	24°, 100%, 67%
HSV	24°, 67%, 100%
XYZ	54.5885, 45.1644, 14.4825
YIQ	176.3330, 82.3450, -0.0470

Conversions

Conversions Part 2

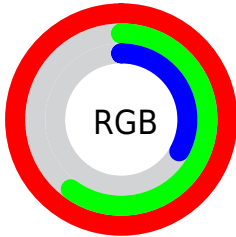
Format	Color
R_{YB}	255, 201, 85
Decimal	16751189
CIE _{Lab}	73.00, 31.99, 51.36
CIE _{LCh}	73, 60.507, 58.078
Yxy	45.1644, 0.4779, 0.3954
Android (android.graphics.Color)	4294941269 (0xFFFF9A55)
YUV	176.3330, -45.0272, 68.9910
Hunter-Lab	67.2044, 27.3832, 34.2662

Details

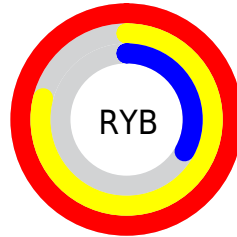
The CIELCh color **73, 60.507, 58.078** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **72, 43.481, 258.924**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **86, 42.320, 80.080**, and **53, 60.281, 58.094** is the 20% darker color. If you saturate the color by 10%, you get **70, 70.814, 57.129**, and if you desaturate by 10%, it is **77, 49.968, 59.063**.

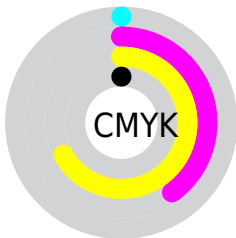
Distribution



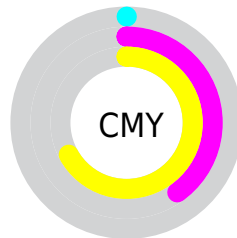
- Red (100%)
- Green (60%)
- Blue (33%)



- Red (100%)
- Yellow (79%)
- Blue (33%)



- Cyan (0%)
- Magenta (40%)
- Yellow (67%)
- Black (0%)



- Cyan (0%)
- Magenta (40%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 60.507, 58.078 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, 60.507, 58.078 by changing the saturation by 10% instead.

73, 60.507, 58.078

73, 60.507, 58.078

100, 60.507,
58.078

63, 60.507, 58.078

93, 60.507, 58.078

53, 60.507, 58.078

43, 60.507, 58.078

33, 60.507, 58.078

23, 60.507, 58.078

13, 60.507, 58.078

3, 60.507, 58.078

0, 60.507, 58.078

73, 60.507, 58.078

73, 60.507, 58.078

70, 70.814, 57.129

77, 49.968, 59.063

66, 80.366, 55.766

80, 39.893, 59.978

63, 87.670, 53.614

84, 30.335, 60.927

63, 89.756, 52.795

89, 21.339, 61.912

93, 12.892, 62.918

97, 4.956, 63.893

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.



73, 60.507, 58.078



72, 43.481, 258.924

Rectangle

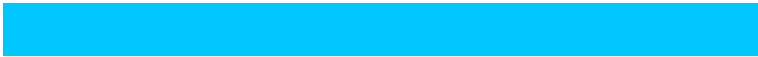
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73, 60.507, 58.078



73, 60.507, 108.078



73, 60.507, 238.078



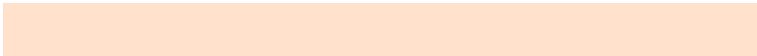
73, 60.507, 288.078

Sweetspot

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



73, 60.405, 58.147



91, 15.724, 62.573



63, 75.363, 345.636



48, 10.824, 62.290



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, 60.405, 58.147



68, 74.241, 56.719



93, 73.672, 98.721



51, 4.325, 63.621



48, 71.889, 53.479



14, 27.411, 52.801

Inverse Universe

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



72, 43.481, 258.924



68, 50.497, 264.487



50, 88.092, 297.778



51, 4.167, 245.846



47, 48.184, 273.373



14, 20.119, 266.210

Previews

White Background



This preview shows how the CIELCh color 73, 60.507, 58.078 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, 60.507, 58.078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

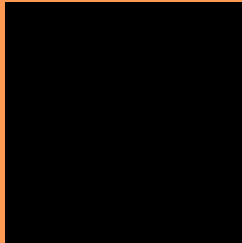
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 73, 60.507, 58.078

Background



This preview shows how black text looks on a background with the CIELCh color 73, 60.507, 58.078.



This preview shows how white text looks on a background with the CIELCh color 73, 60.507, 58.078.

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
73, 42.630, 17.318

Trichromacy



Original Color
73, 60.507, 58.078

Protanomaly
73, 48.527, 79.858

Deuteranomaly
73, 54.543, 71.236

Tritanomaly
73, 45.718, 35.935

Monochromacy



Original Color
73, 60.507, 58.078

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 20.206, 61.997

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 60.507, 58.078 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, 154, 85)` looks like.

```
.text, #text, p{  
    color:rgb(255, 154, 85)  
}
```

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, 154, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 154, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 60.507, 58.078 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, 154, 85) }
```

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

```
.border{ border-color:rgb(255, 154, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 154, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 154, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 154, 85);  
box-shadow:4px 4px 4px 4px rgb(255, 154,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 60.507, 58.078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 154, 85) }
```

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

```
.background{ background-color: rgb(255,  
154, 85) }
```

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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