

Converting Colors

CIELCh(75, 58.258, 60.539)

Have a look what the booklet for
CIELCh(75, 58.258, 60.539) contains.

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Color

CIELCh(75, 57.839, 60.828)

Conversions

Conversions Part 1

Format	Color
Hex	FFA35C
RGB	255, 163, 92
RGB Percent	100%, 64%, 36%
CMY	0.0000, 0.3619, 0.6405
CMYK	0.00, 0.36, 0.64, 0.00
HSL	26°, 100%, 68%
HSV	26°, 64%, 100%
XYZ	56.5096, 48.2781, 16.3915
YIQ	182.4140, 77.6230, -2.5770

Conversions

Conversions Part 2

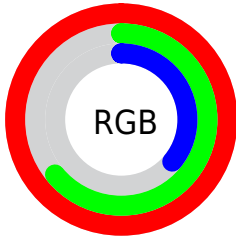
Format	Color
RYB	255, 218, 92
Decimal	16753500
CIELab	75.00, 28.19, 50.50
CIELCh	75, 57.839, 60.828
Yxy	48.2781, 0.4663, 0.3984
Android (android.graphics.Color)	4294943580 (0xFFFFA35C)
YUV	182.4140, -44.5741, 63.6579
Hunter-Lab	69.4824, 23.5785, 34.6507

Details

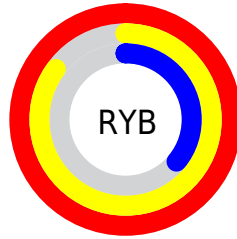
The CIELCh color **75, 57.839, 60.828** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **72, 43.656, 261.804**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 41.252, 85.345**, and **55, 57.409, 61.145** is the 20% darker color. If you saturate the color by 10%, you get **72, 67.782, 59.892**, and if you desaturate by 10%, it is **78, 47.353, 62.122**.

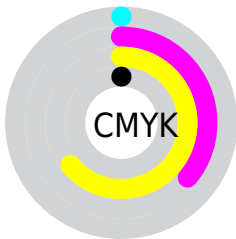
Distribution



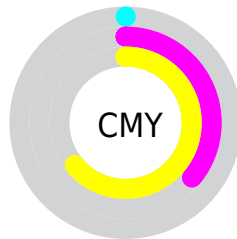
- Red (100%)
- Green (64%)
- Blue (36%)



- 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, 57.839, 60.828 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, 57.839, 60.828 by changing the saturation by 10% instead.

 75, 57.839, 60.828

 75, 57.839, 60.828

 100, 57.839,
60.828

 65, 57.839, 60.828

 95, 57.839, 60.828

 55, 57.839, 60.828

 45, 57.839, 60.828

 35, 57.839, 60.828

 25, 57.839, 60.828

 15, 57.839, 60.828

 5, 57.839, 60.828

 0, 57.839, 60.828

 75, 57.839, 60.828

 75, 57.839, 60.828

72, 67.782, 59.892

78, 47.353, 62.122

68, 77.328, 58.448

82, 37.503, 63.183

65, 84.953, 56.343

86, 28.137, 64.261

64, 88.373, 54.762

90, 19.287, 65.357

94, 10.940, 66.454

98, 3.059, 67.455

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, 57.839, 60.828



72, 43.656, 261.804

Rectangle

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



75, 57.839, 60.828



75, 57.839, 110.828



75, 57.839, 240.828



75, 57.839, 290.828

Sweetspot

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



75, 57.555, 61.052



92, 15.013, 65.912



64, 71.995, 347.261



48, 10.420, 65.597



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, 57.555, 61.052



71, 70.716, 59.508



95, 73.283, 100.853



51, 4.369, 66.940



49, 70.818, 55.462



15, 27.219, 55.466

Inverse Universe

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



72, 43.656, 261.804



67, 51.176, 266.974



51, 87.743, 298.402



51, 4.229, 249.291



45, 51.073, 277.038



13, 21.128, 270.021

Previews

White Background



This preview shows how the CIELCh color 75, 57.839, 60.828 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, 57.839, 60.828 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, 57.839, 60.828

Background



This preview shows how black text looks on a background with the CIELCh color 75, 57.839, 60.828.



This preview shows how white text looks on a background with the CIELCh color 75, 57.839, 60.828.

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, 39.045, 15.454

Trichromacy



Original Color
75, 57.423, 61.121

Protanomaly
75, 47.835, 81.004

Deuteranomaly
75, 53.225, 71.976

Tritanomaly
75, 41.912, 36.589

Monochromacy



Original Color
75, 57.423, 61.121

Achromatopsia
74, 0.009, 296.813

Achromatomaly
74, 19.839, 64.697

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 57.839, 60.828 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, 92)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 92)  
}
```

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, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 57.839, 60.828 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, 92) }
```

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

```
.border{ border-color:rgb(255, 163, 92) }
```

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, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 92);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 57.839, 60.828 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, 92) }
```

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

```
.background{ background-color: rgb(255,  
163, 92) }
```

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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