

Converting Colors

CIELCh(75, 58.557, 66.933)

Have a look what the booklet for
CIELCh(75, 58.557, 66.933) contains.

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Color

CIELCh(75, 58.658, 67.195)

Conversions

Conversions Part 1

Format	Color
Hex	F9A754
RGB	249, 167, 84
RGB Percent	98%, 65%, 33%
CMY	0.0246, 0.3460, 0.6715
CMYK	0.00, 0.33, 0.66, 0.02
HSL	30°, 93%, 65%
HSV	30°, 66%, 98%
XYZ	54.3376, 48.2781, 14.7963
YIQ	182.0560, 75.5150, -8.4290

Conversions

Conversions Part 2

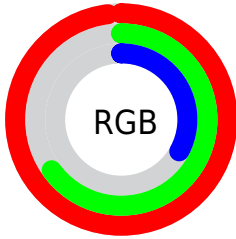
Format	Color
R _Y B	247, 249, 84
Decimal	16361300
CIE Lab	75.00, 22.74, 54.07
CIE LCh	75, 58.658, 67.195
Yxy	48.2781, 0.4628, 0.4112
Android (android.graphics.Color)	4294551380 (0xFFFF9A754)
YUV	182.0560, -48.3416, 58.7099
Hunter-Lab	69.4824, 17.9987, 36.0119

Details

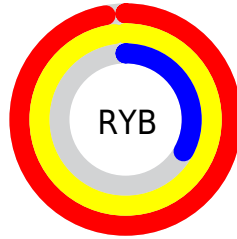
The CIELCh color **75, 58.658, 67.195** is a light color, and the websafe version is hex **FF9933**. The color can be described as light muted orange. A complement of this color would be **66, 48.682, 270.753**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 46.204, 89.334**, and **55, 58.613, 67.307** is the 20% darker color. If you saturate the color by 10%, you get **72, 67.998, 65.667**, and if you desaturate by 10%, it is **78, 49.006, 68.573**.

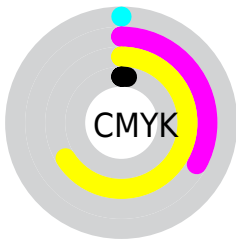
Distribution



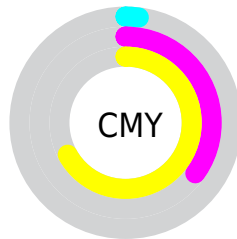
- Red (98%)
- Green (65%)
- Blue (33%)



- Red (97%)
- Yellow (98%)
- Blue (33%)



- Cyan (0%)
- Magenta (33%)
- Yellow (66%)
- Black (2%)



- Cyan (2%)
- Magenta (35%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 58.658, 67.195 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, 58.658, 67.195 by changing the saturation by 10% instead.

75, 58.658, 67.195

75, 58.658, 67.195

100, 58.658,
67.195

65, 58.658, 67.195

95, 58.658, 67.195

55, 58.658, 67.195

45, 58.658, 67.195

35, 58.658, 67.195

25, 58.658, 67.195

15, 58.658, 67.195

5, 58.658, 67.195

0, 58.658, 67.195

75, 58.658, 67.195

75, 58.658, 67.195

72, 67.998, 65.667

78, 49.006, 68.573

69, 76.216, 63.772

81, 39.470, 69.886

67, 82.120, 61.161

85, 30.245, 71.175

66, 83.859, 60.098

88, 21.404, 72.450

92, 12.960, 73.705

96, 4.900, 74.898

99, 1.797, 228.877

100, 2.175,
199.572

Harmonies

Complementary

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



75, 58.658, 67.195



66, 48.682, 270.753

Rectangle

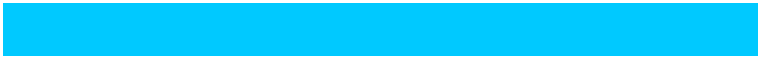
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75, 58.658, 67.195



75, 58.658, 117.195



75, 58.658, 247.195



75, 58.658, 297.195

Sweetspot

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



75, 58.657, 67.199



93, 16.352, 73.243



61, 70.116, 352.043



48, 11.231, 72.889



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, 58.657, 67.199



73, 72.661, 65.008



95, 77.829, 104.128



50, 4.460, 74.534



51, 67.908, 60.791



15, 25.830, 61.972

Inverse Universe

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



66, 48.682, 270.753



62, 59.412, 276.293



46, 95.991, 301.159



50, 4.363, 257.068



41, 58.041, 284.450



11, 23.083, 277.569

Previews

White Background



This preview shows how the CIELCh color 75, 58.658, 67.195 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, 58.658, 67.195 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, 58.658, 67.195

Background



This preview shows how black text looks on a background with the CIELCh color 75, 58.658, 67.195.



This preview shows how white text looks on a background with the CIELCh color 75, 58.658, 67.195.

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

75, 58.658, 67.195

Protanopia

75, 50.256, 95.410

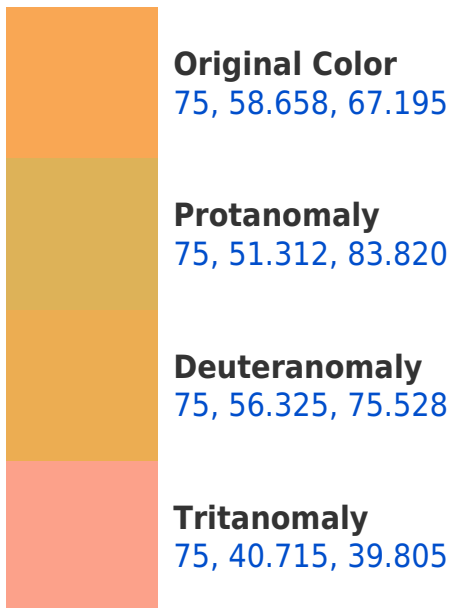
Deuteranopia

75, 55.587, 80.169



Tritanopia
75, 38.623, 13.758

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 58.658, 67.195 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(249, 167, 84)` looks like.

```
.text, #text, p{  
    color:rgb(249, 167, 84)  
}
```

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(249, 167, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 167, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 58.658, 67.195 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(249, 167, 84) }
```

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

```
.border{ border-color:rgb(249, 167, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 167, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 167, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 167, 84);  
box-shadow:4px 4px 4px 4px rgb(249, 167,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 58.658, 67.195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 167, 84) }
```

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

```
.background{ background-color: rgb(249,  
167, 84) }
```

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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