

Converting Colors

CIELCh(75, 59.484, 62.580)

Have a look what the booklet for
CIELCh(75, 59.484, 62.580) contains.

CIELCh(75, 59.368, 62.475)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(75, 59.368, 62.475)

Conversions

Conversions Part 1

Format	Color
Hex	FFA357
RGB	255, 163, 87
RGB Percent	100%, 64%, 34%
CMY	0.0000, 0.3599, 0.6580
CMYK	0.00, 0.36, 0.66, 0.00
HSL	27°, 100%, 67%
HSV	27°, 66%, 100%
XYZ	56.2050, 48.2781, 15.4198
YIQ	181.8440, 79.2280, -4.1320

Conversions

Conversions Part 2

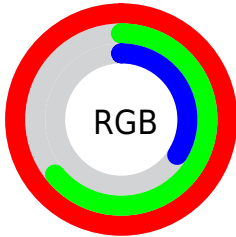
Format	Color
R_{YB}	255, 226, 87
Decimal	16753495
CIE _{Lab}	75.00, 27.44, 52.65
CIE _{LCh}	75, 59.368, 62.475
Yxy	48.2781, 0.4688, 0.4026
Android (android.graphics.Color)	4294943575 (0xFFFFA357)
YUV	181.8440, -46.7581, 64.1578
Hunter-Lab	69.4824, 22.7961, 35.4798

Details

The CIELCh color **75, 59.368, 62.475** 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, 45.823, 264.741**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 43.617, 86.241**, and **55, 59.489, 62.476** is the 20% darker color. If you saturate the color by 10%, you get **72, 69.285, 61.255**, and if you desaturate by 10%, it is **78, 49.150, 63.720**.

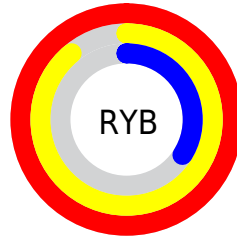
Distribution



Red (100%)

Green (64%)

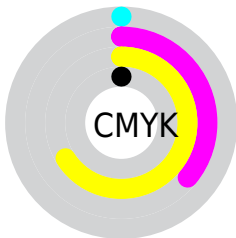
Blue (34%)



Red (100%)

Yellow (89%)

Blue (34%)

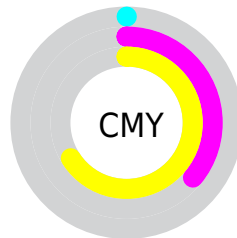


Cyan (0%)

Magenta (36%)

Yellow (66%)

Black (0%)



Cyan (0%)

Magenta (36%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 59.368, 62.475 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, 59.368, 62.475 by changing the saturation by 10% instead.

75, 59.368, 62.475

75, 59.368, 62.475

100, 59.368,
62.475

65, 59.368, 62.475

95, 59.368, 62.475

55, 59.368, 62.475

45, 59.368, 62.475

35, 59.368, 62.475

25, 59.368, 62.475

15, 59.368, 62.475

5, 59.368, 62.475

0, 59.368, 62.475

75, 59.368, 62.475

75, 59.368, 62.475

72, 69.285, 61.255

78, 49.150, 63.720

69, 78.373, 59.615

82, 39.290, 64.859

66, 85.254, 57.240

86, 29.862, 66.002

65, 87.541, 56.087

90, 20.918, 67.153

94, 12.455, 68.303

98, 4.444, 69.395

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, 59.368, 62.475



71, 45.823, 264.741

Rectangle

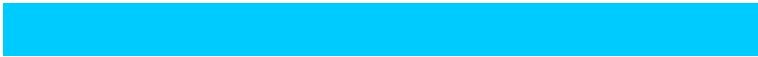
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75, 59.368, 62.475



75, 59.368, 112.475



75, 59.368, 242.475



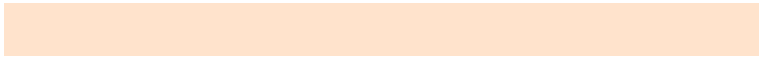
75, 59.368, 292.475

Sweetspot

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



75, 59.278, 62.550



92, 15.956, 67.821



63, 72.795, 348.628



48, 10.972, 67.498



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, 59.278, 62.550



71, 72.350, 60.782



95, 75.870, 101.604



51, 4.406, 69.008



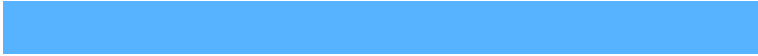
49, 70.176, 56.794



15, 27.127, 57.203

Inverse Universe

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



71, 45.823, 264.741



65, 53.903, 270.131



49, 92.092, 299.426



51, 4.276, 251.424



44, 53.004, 279.188



13, 21.813, 272.286

Previews

White Background



This preview shows how the CIELCh color 75, 59.368, 62.475 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, 59.368, 62.475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

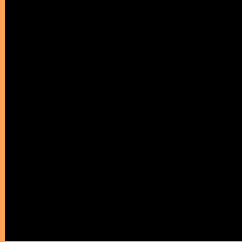
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 59.368, 62.475

Background



This preview shows how black text looks on a background with the CIELCh color 75, 59.368, 62.475.

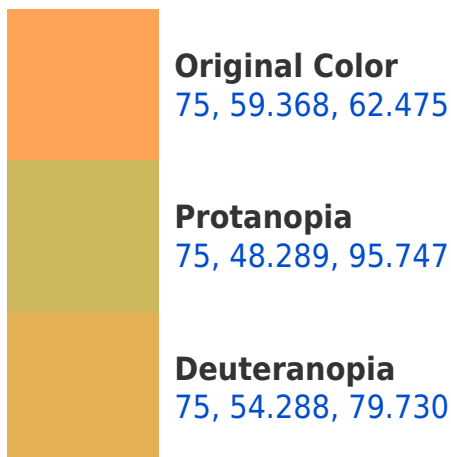


This preview shows how white text looks on a background with the CIELCh color 75, 59.368, 62.475.

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, 59.368, 62.475

Protanomaly
75, 49.663, 81.688

Deuteranomaly
75, 55.347, 73.034

Tritanomaly
75, 42.382, 37.870

Monochromacy



Original Color
75, 59.368, 62.475

Achromatopsia
74, 0.009, 296.813

Achromatomaly
74, 20.250, 65.663

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 59.368, 62.475 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, 87)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 87)  
}
```

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, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 59.368, 62.475 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, 87) }
```

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

```
.border{ border-color:rgb(255, 163, 87) }
```

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, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 163, 87); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 163, 87); box-shadow:4px 4px 4px 4px rgb(255, 163, 87) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 59.368, 62.475 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, 87) }
```

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

```
.background{ background-color: rgb(255,  
163, 87) }
```

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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