

Converting Colors

CIELCh(74, 61.570, 61.322)

Have a look what the booklet for
CIELCh(74, 61.570, 61.322) contains.

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Color

CIELCh(74, 61.395, 61.560)

Conversions

Conversions Part 1

Format	Color
Hex	FF9F52
RGB	255, 159, 82
RGB Percent	100%, 62%, 32%
CMY	0.0000, 0.3762, 0.6782
CMYK	0.00, 0.38, 0.68, 0.00
HSL	27°, 100%, 66%
HSV	27°, 68%, 100%
XYZ	55.2035, 46.7039, 14.1007
YIQ	178.9260, 81.9330, -3.5950

Conversions

Conversions Part 2

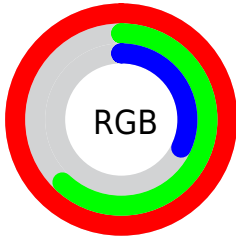
Format	Color
R _Y B	255, 221, 82
Decimal	16752466
CIE Lab	74.00, 29.24, 53.99
CIE LCh	74, 61.395, 61.560
Yxy	46.7039, 0.4759, 0.4026
Android (android.graphics.Color)	4294942546 (0xFFFF9F52)
YUV	178.9260, -47.7845, 66.7169
Hunter-Lab	68.3403, 24.5921, 35.6048

Details

The CIELCh color **74, 61.395, 61.560** 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 **70, 46.550, 264.529**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 44.900, 84.328**, and **54, 61.371, 61.757** is the 20% darker color. If you saturate the color by 10%, you get **71, 71.347, 60.285**, and if you desaturate by 10%, it is **77, 51.171, 62.728**.

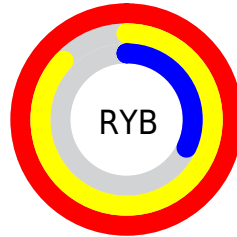
Distribution



Red (100%)

Green (62%)

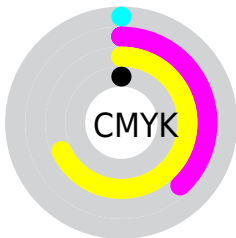
Blue (32%)



Red (100%)

Yellow (87%)

Blue (32%)

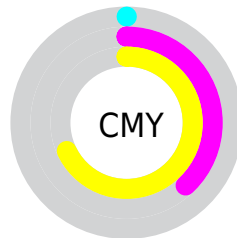


Cyan (0%)

Magenta (38%)

Yellow (68%)

Black (0%)



Cyan (0%)

Magenta (38%)

Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 61.395, 61.560 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 74, 61.395, 61.560 by changing the saturation by 10% instead.

 74, 61.395, 61.560

 74, 61.395, 61.560

 100, 61.395,
61.560

 64, 61.395, 61.560

 94, 61.395, 61.560

 54, 61.395, 61.560

 44, 61.395, 61.560

 34, 61.395, 61.560

 24, 61.395, 61.560

 14, 61.395, 61.560

 4, 61.395, 61.560

 0, 61.395, 61.560

 74, 61.395, 61.560

 74, 61.395, 61.560

71, 71.347, 60.285

77, 51.171, 62.728

68, 80.206, 58.581

81, 41.208, 63.835

65, 86.659, 56.076

85, 31.672, 64.947

64, 87.894, 55.510

89, 22.630, 66.072

93, 14.083, 67.202

97, 6.006, 68.301

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.



74, 61.395, 61.560



70, 46.550, 264.529

Rectangle

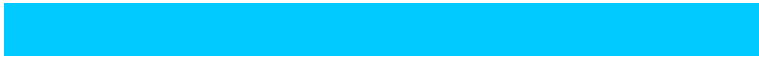
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74, 61.395, 61.560



74, 61.395, 111.560



74, 61.395, 241.560



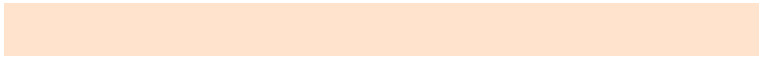
74, 61.395, 291.560

Sweetspot

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



74, 61.368, 61.583



92, 15.908, 66.956



62, 74.978, 347.932



48, 10.941, 66.638



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



74, 61.368, 61.583



70, 74.347, 59.804



94, 76.680, 100.521



51, 4.389, 68.122



49, 70.448, 56.214



15, 27.164, 56.452

Inverse Universe

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



70, 46.550, 264.529



65, 54.390, 270.063



48, 93.432, 299.337



51, 4.255, 250.512



44, 52.164, 278.279



13, 21.514, 271.326

Previews

White Background



This preview shows how the CIELCh color 74, 61.395, 61.560 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 74, 61.395, 61.560 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 74, 61.395, 61.560

Background



This preview shows how black text looks on a background with the CIELCh color 74, 61.395, 61.560.

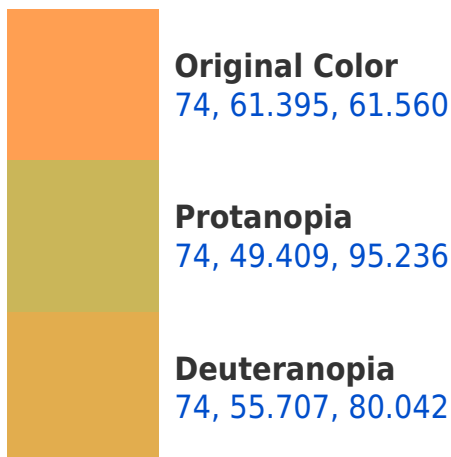


This preview shows how white text looks on a background with the CIELCh color 74, 61.395, 61.560.

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
74, 40.809, 16.036

Trichromacy



Original Color
74, 61.395, 61.560

Protanomaly
74, 51.347, 81.594

Deuteranomaly
74, 57.297, 72.776

Tritanomaly
74, 44.276, 37.463

Monochromacy



Original Color
74, 61.395, 61.560

Achromatopsia
73, 0.009, 296.813

Achromatomaly
73, 21.037, 65.725

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 61.395, 61.560 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, 159, 82)` looks like.

```
.text, #text, p{  
    color:rgb(255, 159, 82)  
}
```

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, 159, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 159, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 61.395, 61.560 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, 159, 82) }
```

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

```
.border{ border-color:rgb(255, 159, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 159, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 159, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 159, 82);  
box-shadow:4px 4px 4px 4px rgb(255, 159,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 61.395, 61.560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 159, 82) }
```

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

```
.background{ background-color: rgb(255,  
159, 82) }
```

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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