

Converting Colors

CIELCh(74, 65.816, 67.807)

Have a look what the booklet for
CIELCh(74, 65.816, 67.807) contains.

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Color

CIELCh(74, 65.817, 67.804)

Conversions

Conversions Part 1

Format	Color
Hex	FAA242
RGB	250, 162, 66
RGB Percent	98%, 64%, 26%
CMY	0.0185, 0.3637, 0.7402
CMYK	0.00, 0.35, 0.74, 0.02
HSL	31°, 95%, 62%
HSV	31°, 74%, 98%
XYZ	53.4850, 46.7039, 11.3887
YIQ	177.3680, 83.2640, -11.2000

Conversions

Conversions Part 2

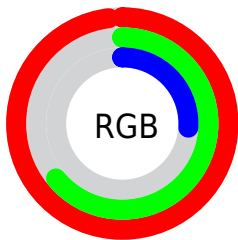
Format	Color
R _Y B	235, 250, 66
Decimal	16425538
CIE Lab	74.00, 24.86, 60.94
CIE LCh	74, 65.817, 67.804
Yxy	46.7039, 0.4794, 0.4186
Android (android.graphics.Color)	4294615618 (0xFFFAA242)
YUV	177.3680, -54.9044, 63.6983
Hunter-Lab	68.3403, 20.1036, 37.9577

Details

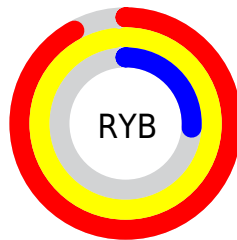
The CIELCh color **74, 65.817, 67.804** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **63, 55.637, 275.503**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 52.680, 88.248**, and **54, 65.675, 67.829** is the 20% darker color. If you saturate the color by 10%, you get **71, 74.285, 65.980**, and if you desaturate by 10%, it is **77, 56.419, 69.341**.

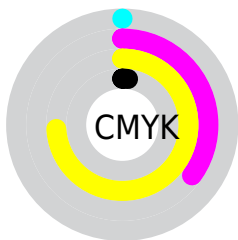
Distribution



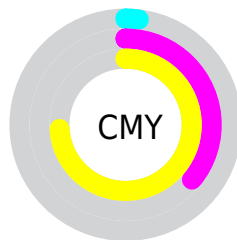
- Red (98%)
- Green (64%)
- Blue (26%)



- Red (92%)
- Yellow (98%)
- Blue (26%)



- Cyan (0%)
- Magenta (35%)
- Yellow (74%)
- Black (2%)



- Cyan (2%)
- Magenta (36%)
- Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 65.817, 67.804 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, 65.817, 67.804 by changing the saturation by 10% instead.

 74, 65.817, 67.804

 74, 65.817, 67.804

 100, 65.817,
67.804

 64, 65.817, 67.804

 94, 65.817, 67.804

 54, 65.817, 67.804

 44, 65.817, 67.804

 34, 65.817, 67.804

 24, 65.817, 67.804

 14, 65.817, 67.804

 4, 65.817, 67.804

 0, 65.817, 67.804

 74, 65.817, 67.804

 74, 65.817, 67.804

71, 74.285, 65.980

77, 56.419, 69.341

69, 80.714, 63.558

80, 46.797, 70.745

67, 83.626, 61.644

83, 37.313, 72.095

87, 28.130, 73.419

90, 19.310, 74.721

94, 10.862, 75.992

97, 2.768, 77.142

100, 1.634,
199.707

Harmonies

Complementary

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



74, 65.817, 67.804



63, 55.637, 275.503

Rectangle

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



74, 65.817, 67.804



74, 65.817, 117.804



74, 65.817, 247.804



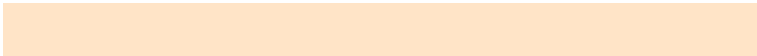
74, 65.817, 297.804

Sweetspot

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



74, 65.816, 67.807



92, 18.268, 74.915



59, 74.996, 354.948



48, 12.349, 74.565



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, 65.816, 67.807



71, 78.645, 64.973



95, 84.254, 104.548



50, 4.517, 76.488



51, 67.424, 62.346



16, 25.844, 63.859

Inverse Universe

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



63, 55.637, 275.503



58, 67.472, 281.702



41, 107.252, 302.942



50, 4.432, 259.048



40, 60.215, 286.195



11, 23.862, 279.470

Previews

White Background



This preview shows how the CIELCh color 74, 65.817, 67.804 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, 65.817, 67.804 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, 65.817, 67.804

Background



This preview shows how black text looks on a background with the CIELCh color 74, 65.817, 67.804.



This preview shows how white text looks on a background with the CIELCh color 74, 65.817, 67.804.

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, 40.781, 15.290

Trichromacy



Original Color
74, 65.817, 67.804

Protanomaly
74, 58.295, 84.523

Deuteranomaly
74, 63.134, 76.023

Tritanomaly
74, 44.803, 41.963

Monochromacy



Original Color
74, 65.817, 67.804

Achromatopsia
73, 0.009, 296.813

Achromatomaly
72, 23.293, 73.634

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 65.817, 67.804 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(250, 162, 66)` looks like.

```
.text, #text, p{  
    color:rgb(250, 162, 66)  
}
```

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(250, 162, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 162, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 65.817, 67.804 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(250, 162, 66) }
```

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

```
.border{ border-color:rgb(250, 162, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 162, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 162, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 162, 66);  
box-shadow:4px 4px 4px 4px rgb(250, 162,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 65.817, 67.804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 162, 66) }
```

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

```
.background{ background-color: rgb(250,  
162, 66) }
```

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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