

Converting Colors

CIELCh(74, 79.449, 75.854)

Have a look what the booklet for
CIELCh(74, 79.449, 75.854) contains.

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Color

CIELCh(74, 79.445, 75.979)

Conversions

Conversions Part 1

Format	Color
Hex	F5A606
RGB	245, 166, 6
RGB Percent	96%, 65%, 2%
CMY	0.0392, 0.3490, 0.9763
CMYK	0.00, 0.32, 0.98, 0.04
HSL	40°, 95%, 49%
HSV	40°, 98%, 96%
XYZ	51.3315, 46.7039, 6.4823
YIQ	171.3810, 98.4440, -33.0120

Conversions

Conversions Part 2

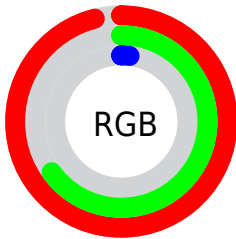
Format	Color
RYB	124, 245, 6
Decimal	16098822
CIELab	74.00, 19.25, 77.08
CIElCh	74, 79.445, 75.979
Yxy	46.7039, 0.4911, 0.4469
Android (android.graphics.Color)	4294288902 (0xFFFF5A606)
YUV	171.3810, -81.5328, 64.5639
Hunter-Lab	68.3403, 14.4787, 42.2144

Details

The CIELCh color **74, 79.445, 75.979** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **43, 94.537, 296.572**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 70.095, 92.376**, and **54, 64.367, 71.553** is the 20% darker color. If you saturate the color by 10%, you get **74, 80.062, 75.354**, and if you desaturate by 10%, it is **76, 76.047, 78.390**.

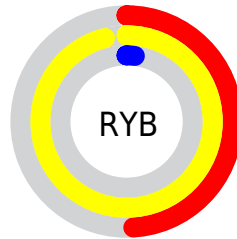
Distribution



Red (96%)

Green (65%)

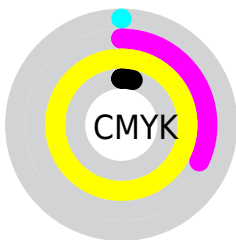
Blue (2%)



Red (49%)

Yellow (96%)

Blue (2%)

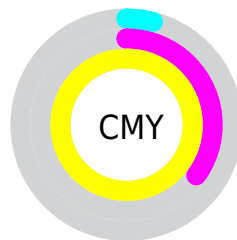


Cyan (0%)

Magenta (32%)

Yellow (98%)

Black (4%)



Cyan (4%)

Magenta (35%)

Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 79.445, 75.979 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, 79.445, 75.979 by changing the saturation by 10% instead.

 74, 79.445, 75.979

 74, 79.445, 75.979

 100, 79.445,
75.979

 64, 79.445, 75.979

 94, 79.445, 75.979

 54, 79.445, 75.979

 44, 79.445, 75.979

 34, 79.445, 75.979

 24, 79.445, 75.979

 14, 79.445, 75.979

 4, 79.445, 75.979

 0, 79.445, 75.979

 74, 79.445, 75.979

 74, 79.445, 75.979

74, 80.062, 75.354

76, 76.047, 78.390

78, 69.964, 80.343

80, 62.041, 82.024

82, 53.132, 83.561

85, 43.797, 85.018

87, 34.356, 86.424

90, 24.977, 87.788

92, 15.743, 89.108

95, 6.688, 90.368

Harmonies

Complementary

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



74, 79.445, 75.979



43, 94.537, 296.572

Rectangle

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



74, 79.445, 75.979



74, 79.445, 125.979



74, 79.445, 255.979



74, 79.445, 305.979

Sweetspot

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



74, 79.443, 75.982



92, 27.213, 87.582



52, 83.343, 17.794



48, 18.747, 87.002



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, 79.443, 75.982



76, 82.520, 75.287



91, 95.317, 112.849



50, 5.053, 90.130



57, 65.163, 75.888



17, 25.811, 78.689

Inverse Universe

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



43, 94.537, 296.572



44, 100.296, 297.471



32, 127.348, 306.852



48, 5.053, 272.626



32, 77.599, 296.774



7, 29.545, 290.846

Previews

White Background



This preview shows how the CIELCh color 74, 79.445, 75.979 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, 79.445, 75.979 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, 79.445, 75.979

Background



This preview shows how black text looks on a background with the CIELCh color 74, 79.445, 75.979.



This preview shows how white text looks on a background with the CIELCh color 74, 79.445, 75.979.

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

74, 79.445, 75.979

Protanopia

74, 74.316, 95.034

Deuteranopia

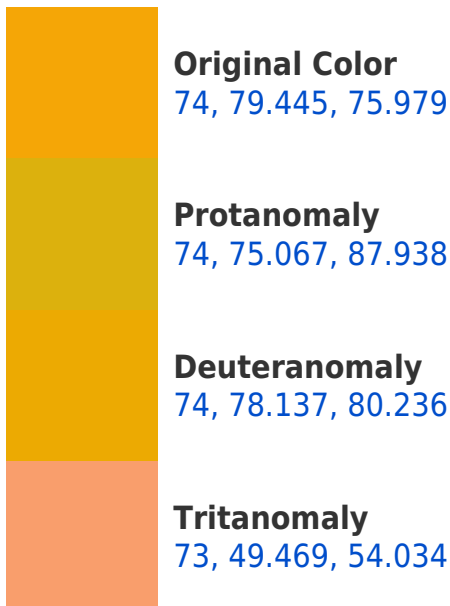
74, 77.685, 82.987



Tritanopia

74, 39.142, 13.974

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 79.445, 75.979 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(245, 166, 6)` looks like.

```
.text, #text, p{  
    color:rgb(245, 166, 6)  
}
```

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(245, 166, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 166, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 79.445, 75.979 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(245, 166, 6) }
```

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

```
.border{ border-color:rgb(245, 166, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 166, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 166, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 166, 6);  
box-shadow:4px 4px 4px 4px rgb(245, 166,  
6) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 79.445, 75.979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 166, 6) }
```

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

```
.background{ background-color: rgb(245,  
166, 6) }
```

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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