

Converting Colors

CIELCh(83, 66.934, 61.775)

Have a look what the booklet for
CIELCh(83, 66.934, 61.775) contains.

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Color

CIELCh(79, 56.704, 70.939)

Conversions

Conversions Part 1

Format	Color
Hex	FFB55F
RGB	255, 181, 95
RGB Percent	100%, 71%, 37%
CMY	0.0014, 0.2914, 0.6286
CMYK	0.00, 0.29, 0.63, 0.00
HSL	32°, 100%, 68%
HSV	32°, 63%, 100%
XYZ	59.6159, 54.9284, 18.2135
YIQ	193.3220, 71.7100, -11.0580

Conversions

Conversions Part 2

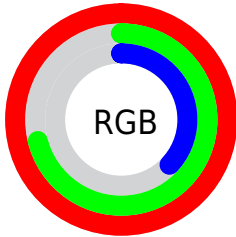
Format	Color
R_{YB}	233, 255, 95
Decimal	16758111
CIE _{Lab}	79.00, 18.52, 53.60
CIE _{LCh}	79, 56.704, 70.939
Yxy	54.9284, 0.4491, 0.4137
Android (android.graphics.Color)	4294948191 (0xFFFFB55F)
YUV	193.3220, -48.4727, 54.0916
Hunter-Lab	74.1137, 13.8837, 37.3090

Details

The CIELCh color **79, 56.704, 70.939** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **68, 49.584, 273.149**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 45.615, 97.382**, and **59, 56.756, 71.020** is the 20% darker color. If you saturate the color by 10%, you get **76, 66.151, 69.378**, and if you desaturate by 10%, it is **82, 47.006, 72.381**.

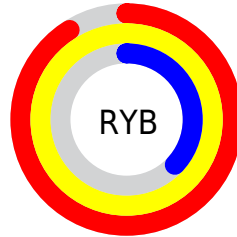
Distribution



Red (100%)

Green (71%)

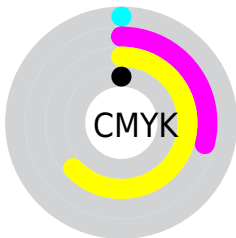
Blue (37%)



Red (91%)

Yellow (100%)

Blue (37%)

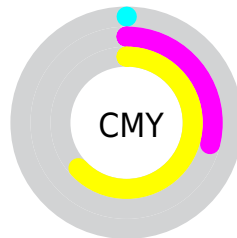


Cyan (0%)

Magenta (29%)

Yellow (63%)

Black (0%)



Cyan (0%)

Magenta (29%)

Yellow (63%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 56.704, 70.939 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 79, 56.704, 70.939 by changing the saturation by 10% instead.

 79, 56.704, 70.939

 79, 56.704, 70.939

 100, 56.704,
70.939

 69, 56.704, 70.939

 99, 56.704, 70.939


 59, 56.704, 70.939

 49, 56.704, 70.939

 39, 56.704, 70.939

 29, 56.704, 70.939

 19, 56.704, 70.939

 9, 56.704, 70.939

 0, 56.704, 70.939

 79, 56.704, 70.939

 79, 56.704, 70.939

76, 66.151, 69.378

82, 47.006, 72.381

73, 74.653, 67.535

85, 37.420, 73.761

71, 81.113, 65.131

89, 28.111, 75.111

69, 84.233, 62.992

92, 19.144, 76.434

95, 10.532, 77.721

99, 2.259, 78.853

100, 0.126,
204.643

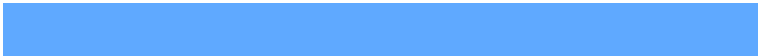
Harmonies

Complementary

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



79, 56.704, 70.939



68, 49.584, 273.149

Rectangle

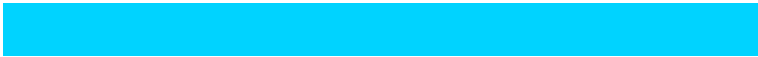
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79, 56.704, 70.939



79, 56.704, 120.939



79, 56.704, 250.939



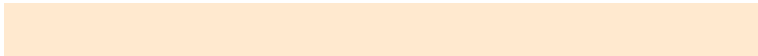
79, 56.704, 300.939

Sweetspot

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



79, 56.703, 70.943



93, 15.839, 76.930



64, 67.612, 353.608



49, 10.966, 76.558



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



79, 56.703, 70.943



76, 68.204, 69.005



97, 76.007, 106.024



51, 4.647, 78.132



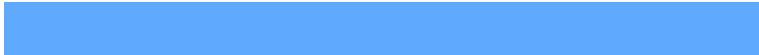
53, 67.735, 63.685



17, 27.049, 65.608

Inverse Universe

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



68, 49.584, 273.149



62, 59.138, 277.720



50, 92.159, 300.990



50, 4.570, 260.712



39, 62.810, 287.658



11, 25.399, 281.410

Previews

White Background



This preview shows how the CIELCh color 79, 56.704, 70.939 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 79, 56.704, 70.939 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 79, 56.704, 70.939

Background



This preview shows how black text looks on a background with the CIELCh color 79, 56.704, 70.939.



This preview shows how white text looks on a background with the CIELCh color 79, 56.704, 70.939.

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

79, 56.704, 70.939

Protanopia

79, 50.395, 95.770

Deuteranopia

79, 55.116, 79.657



Tritanopia
79, 31.738, 11.789

Trichromacy



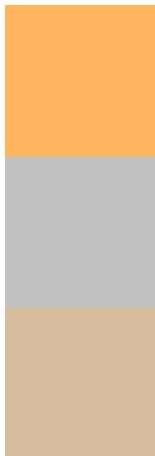
Original Color
79, 56.704, 70.939

Protanomaly
79, 51.234, 85.861

Deuteranomaly
79, 55.499, 76.372

Tritanomaly
79, 35.366, 42.608

Monochromacy



Original Color
79, 56.704, 70.939

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 20.075, 77.317

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 56.704, 70.939 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, 181, 95)` looks like.

```
.text, #text, p{  
    color:rgb(255, 181, 95)  
}
```

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, 181, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 181, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 56.704, 70.939 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, 181, 95) }
```

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

```
.border{ border-color:rgb(255, 181, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 181, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 181, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 181, 95);  
box-shadow:4px 4px 4px 4px rgb(255, 181,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 56.704, 70.939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 181, 95) }
```

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

```
.background{ background-color: rgb(255,  
181, 95) }
```

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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