

Converting Colors

CIELCh(91, 90.143, 50.983)

Have a look what the booklet for
CIELCh(91, 90.143, 50.983) contains.

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Color

CIELCh(79, 56.625, 70.351)

Conversions

Conversions Part 1

Format	Color
Hex	FFB45F
RGB	255, 180, 95
RGB Percent	100%, 71%, 37%
CMY	0.0000, 0.2929, 0.6263
CMYK	0.00, 0.29, 0.63, 0.00
HSL	32°, 100%, 69%
HSV	32°, 63%, 100%
XYZ	59.8345, 54.9284, 18.3463
YIQ	192.7350, 71.9850, -10.5350

Conversions

Conversions Part 2

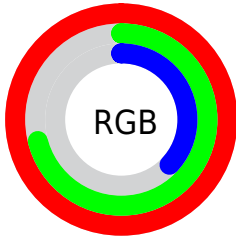
Format	Color
RYB	236, 255, 95
Decimal	16757855
CIELab	79.00, 19.04, 53.33
CIElCh	79, 56.625, 70.351
Yxy	54.9284, 0.4495, 0.4127
Android (android.graphics.Color)	4294947935 (0xFFFFB45F)
YUV	192.7350, -48.1834, 54.6064
Hunter-Lab	74.1137, 14.4102, 37.2028

Details

The CIELCh color **79, 56.625, 70.351** 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, 49.112, 272.553**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 45.237, 96.807**, and **59, 56.721, 70.420** is the 20% darker color. If you saturate the color by 10%, you get **76, 66.029, 68.926**, and if you desaturate by 10%, it is **82, 46.797, 71.899**.

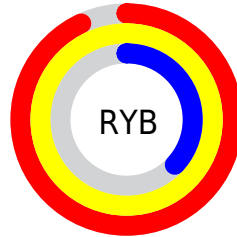
Distribution



Red (100%)

Green (71%)

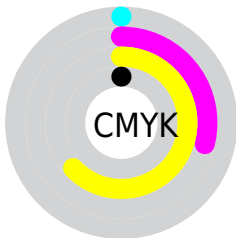
Blue (37%)



Red (93%)

Yellow (100%)

Blue (37%)

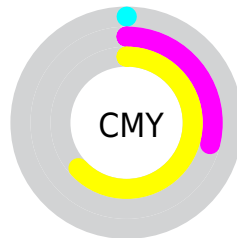


Cyan (0%)

Magenta (29%)

Yellow (63%)

Black (0%)



Cyan (0%)

Magenta (29%)

Yellow (63%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 56.625, 70.351 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, 56.625, 70.351 by changing the saturation by 10% instead.

 79, 56.625, 70.351

 79, 56.625, 70.351

 100, 56.625,
70.351

 69, 56.625, 70.351

 99, 56.625, 70.351

 59, 56.625, 70.351

 49, 56.625, 70.351

 39, 56.625, 70.351

 29, 56.625, 70.351

 19, 56.625, 70.351

 9, 56.625, 70.351

 0, 56.625, 70.351

 79, 56.625, 70.351

 79, 56.625, 70.351

76, 66.029, 68.926

82, 46.797, 71.899

73, 74.624, 67.102

85, 37.200, 73.269

70, 81.213, 64.719

89, 27.894, 74.611

69, 84.486, 62.529

92, 18.941, 75.927

96, 10.349, 77.208

99, 2.103, 78.321

100, 0.012,
296.813

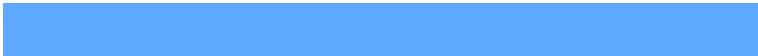
Harmonies

Complementary

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



79, 56.625, 70.351



68, 49.112, 272.553

Rectangle

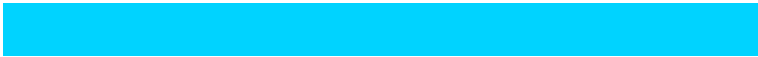
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79, 56.625, 70.351



79, 56.625, 120.351



79, 56.625, 250.351



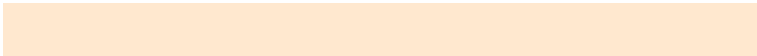
79, 56.625, 300.351

Sweetspot

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



79, 56.524, 70.474



93, 15.783, 76.397



64, 68.002, 352.426



49, 10.928, 76.026



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, 56.524, 70.474



75, 68.186, 68.526



97, 75.891, 105.211



51, 4.629, 77.594



52, 67.855, 63.228



17, 27.037, 65.078

Inverse Universe

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



68, 49.112, 272.553



63, 58.622, 277.202



50, 92.035, 300.646



50, 4.548, 260.170



40, 62.170, 287.199



11, 25.160, 280.907

Previews

White Background



This preview shows how the CIELCh color 79, 56.625, 70.351 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, 56.625, 70.351 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, 56.625, 70.351

Background



This preview shows how black text looks on a background with the CIELCh color 79, 56.625, 70.351.



This preview shows how white text looks on a background with the CIELCh color 79, 56.625, 70.351.

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, 56.625, 70.351

Protanopia

79, 50.395, 95.770

Deuteranopia

79, 54.504, 78.907



Tritanopia
79, 32.188, 11.042

Trichromacy



Original Color
79, 56.625, 70.351

Protanomaly
79, 51.234, 85.861

Deuteranomaly
79, 55.360, 75.778

Tritanomaly
79, 35.366, 42.608

Monochromacy



Original Color
79, 56.625, 70.351

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 20.090, 74.644

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 56.625, 70.351 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, 180, 95)` looks like.

```
.text, #text, p{  
    color:rgb(255, 180, 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, 180, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 180, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 56.625, 70.351 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, 180, 95) }
```

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

```
.border{ border-color:rgb(255, 180, 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, 180, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 180, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 180, 95);  
box-shadow:4px 4px 4px 4px rgb(255, 180,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 56.625, 70.351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 180, 95) }
```

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

```
.background{ background-color: rgb(255,  
180, 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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