

Converting Colors

CIELCh(82, 55.160, 76.844)

Have a look what the booklet for
CIELCh(82, 55.160, 76.844) contains.

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Color

CIELCh(82, 55.112, 76.655)

Conversions

Conversions Part 1

Format	Color
Hex	FFC166
RGB	255, 193, 102
RGB Percent	100%, 76%, 40%
CMY	0.0004, 0.2435, 0.6003
CMYK	0.00, 0.24, 0.60, 0.00
HSL	36°, 100%, 70%
HSV	36°, 60%, 100%
XYZ	62.6468, 60.2982, 20.8847
YIQ	201.1640, 66.1630, -15.1570

Conversions

Conversions Part 2

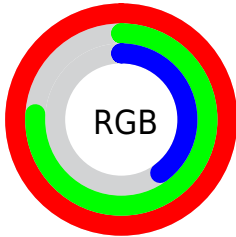
Format	Color
R _Y B	206, 255, 102
Decimal	16761190
CIE Lab	82.00, 12.72, 53.62
CIE LCh	82, 55.112, 76.655
Yxy	60.2982, 0.4356, 0.4192
Android (android.graphics.Color)	4294951270 (0xFFFFC166)
YUV	201.1640, -48.8879, 47.2142
Hunter-Lab	77.6519, 8.1166, 38.4101

Details

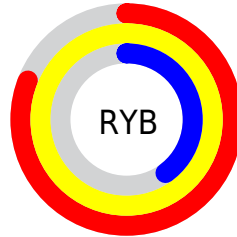
The CIELCh color **82, 55.112, 76.655** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **67, 51.629, 277.579**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 47.117, 103.612**, and **62, 55.294, 76.827** is the 20% darker color. If you saturate the color by 10%, you get **79, 64.387, 75.060**, and if you desaturate by 10%, it is **85, 45.522, 78.150**.

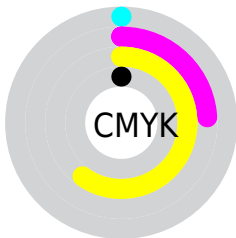
Distribution



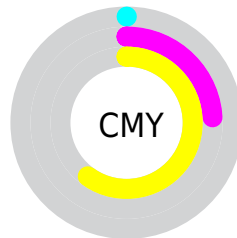
- Red (100%)
- Green (76%)
- Blue (40%)



- Red (81%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (24%)
- Yellow (60%)
- Black (0%)



- Cyan (0%)
- Magenta (24%)
- Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 55.112, 76.655 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 82, 55.112, 76.655 by changing the saturation by 10% instead.

 82, 55.112, 76.655

 82, 55.112, 76.655

 100, 55.112,
76.655

 72, 55.112, 76.655

 62, 55.112, 76.655

 52, 55.112, 76.655

 42, 55.112, 76.655

 32, 55.112, 76.655

 22, 55.112, 76.655

 12, 55.112, 76.655

 2, 55.112, 76.655

 0, 55.112, 76.655

82, 55.112, 76.655

82, 55.112, 76.655

79, 64.387, 75.060

85, 45.522, 78.150

77, 72.726, 73.246

88, 35.954, 79.582

74, 79.146, 71.011

91, 26.570, 80.972

72, 82.970, 68.180

94, 17.441, 82.324

97, 8.587, 83.624

100, 0.008, 31.283

100, 0.036,
218.273

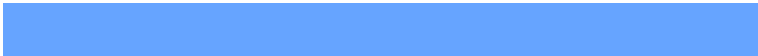
Harmonies

Complementary

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



82, 55.112, 76.655



67, 51.629, 277.579

Rectangle

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



82, 55.112, 76.655



82, 55.112, 126.655



82, 55.112, 256.655



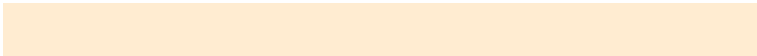
82, 55.112, 306.655

Sweetspot

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



82, 55.112, 76.659



94, 15.638, 82.591



65, 63.991, 356.515



49, 10.917, 82.205



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 55.112, 76.659



79, 66.163, 74.722



97, 73.441, 108.645



52, 4.871, 83.688



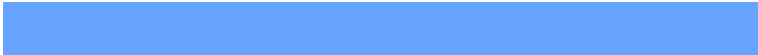
55, 66.762, 68.828



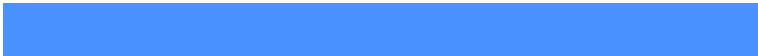
18, 27.341, 71.352

Inverse Universe

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



67, 51.629, 277.579



61, 62.307, 281.744



52, 87.646, 301.445



50, 4.828, 266.272



36, 69.918, 292.153



10, 28.099, 286.391

Previews

White Background



This preview shows how the CIELCh color 82, 55.112, 76.655 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 82, 55.112, 76.655 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 82, 55.112, 76.655

Background



This preview shows how black text looks on a background with the CIELCh color 82, 55.112, 76.655.



This preview shows how white text looks on a background with the CIELCh color 82, 55.112, 76.655.

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
82, 26.785, 9.296

Trichromacy



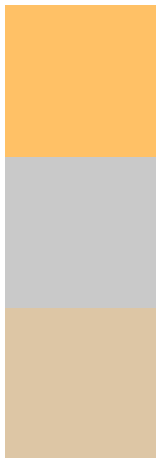
Original Color
82, 55.112, 76.655

Protanomaly
82, 51.624, 88.327

Deuteranomaly
82, 54.583, 78.403

Tritanomaly
82, 30.670, 48.459

Monochromacy



Original Color
82, 55.112, 76.655

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 19.743, 81.123

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 55.112, 76.655 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, 193, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 193, 102)  
}
```

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, 193, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 193, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 55.112, 76.655 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, 193, 102) }
```

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

```
.border{ border-color:rgb(255, 193, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 193, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 193, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 193, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 193,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 55.112, 76.655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 193, 102) }
```

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

```
.background{ background-color: rgb(255,  
193, 102) }
```

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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