

Converting Colors

CIELCh(81, 56.295, 75.168)

Have a look what the booklet for
CIELCh(81, 56.295, 75.168) contains.

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Color

CIELCh(81, 56.277, 75.032)

Conversions

Conversions Part 1

Format	Color
Hex	FFBD62
RGB	255, 189, 98
RGB Percent	100%, 74%, 38%
CMY	0.0004, 0.2592, 0.6160
CMYK	0.00, 0.26, 0.62, 0.00
HSL	35°, 100%, 69%
HSV	35°, 62%, 100%
XYZ	61.5750, 58.4711, 19.5727
YIQ	198.3600, 68.5470, -14.3090

Conversions

Conversions Part 2

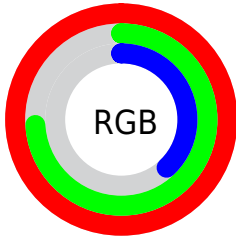
Format	Color
R_{YB}	212, 255, 98
Decimal	16760162
CIE _{Lab}	81.00, 14.54, 54.37
CIE _{LCh}	81, 56.277, 75.032
Yxy	58.4711, 0.4410, 0.4188
Android (android.graphics.Color)	4294950242 (0xFFFFBD62)
YUV	198.3600, -49.4775, 49.6733
Hunter-Lab	76.4664, 9.9219, 38.3504

Details

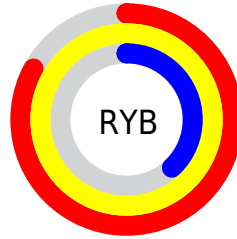
The CIELCh color **81, 56.277, 75.032** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **67, 51.821, 276.748**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 47.352, 101.612**, and **61, 56.423, 74.981** is the 20% darker color. If you saturate the color by 10%, you get **78, 65.537, 73.424**, and if you desaturate by 10%, it is **84, 46.680, 76.528**.

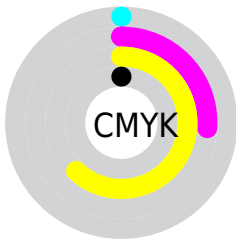
Distribution



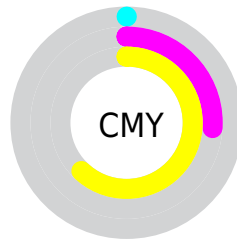
- Red (100%)
- Green (74%)
- Blue (38%)



- Red (83%)
- Yellow (100%)
- Blue (38%)



- Cyan (0%)
- Magenta (26%)
- Yellow (62%)
- Black (0%)



- Cyan (0%)
- Magenta (26%)
- Yellow (62%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 56.277, 75.032 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 81, 56.277, 75.032 by changing the saturation by 10% instead.

 81, 56.277, 75.032

 81, 56.277, 75.032

 100, 56.277,
75.032

 71, 56.277, 75.032

 61, 56.277, 75.032

 51, 56.277, 75.032

 41, 56.277, 75.032

 31, 56.277, 75.032

 21, 56.277, 75.032

 11, 56.277, 75.032

 1, 56.277, 75.032

 0, 56.277, 75.032

81, 56.277, 75.032

81, 56.277, 75.032

78, 65.537, 73.424

84, 46.680, 76.528

76, 73.790, 71.566

87, 37.108, 77.957

73, 80.001, 69.227

90, 27.735, 79.346

71, 83.243, 66.775

93, 18.635, 80.699

96, 9.831, 82.006

99, 1.316, 83.050

100, 0.040,
216.365

Harmonies

Complementary

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



81, 56.277, 75.032



67, 51.821, 276.748

Rectangle

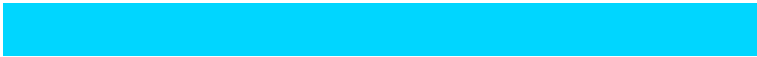
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81, 56.277, 75.032



81, 56.277, 125.032



81, 56.277, 255.032



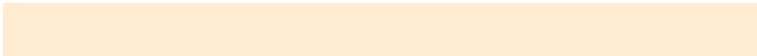
81, 56.277, 305.032

Sweetspot

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



81, 56.277, 75.036



94, 15.448, 81.174



64, 65.764, 355.680



49, 10.789, 80.789



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 56.277, 75.036



78, 67.678, 73.005



97, 74.955, 107.740



52, 4.807, 82.269



54, 66.959, 67.438



17, 27.236, 69.839

Inverse Universe

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



67, 51.821, 276.748



61, 62.543, 281.204



51, 90.177, 301.391



50, 4.755, 264.858



37, 68.014, 291.046



10, 27.367, 285.154

Previews

White Background



This preview shows how the CIELCh color 81, 56.277, 75.032 looks on a white background.

Color Contrast Check

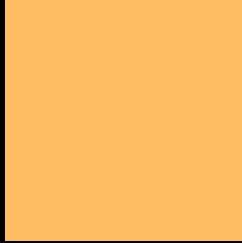
Large Text (above 18pt) WCAG AA × Fail

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 81, 56.277, 75.032 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 81, 56.277, 75.032

Background



This preview shows how black text looks on a background with the CIELCh color 81, 56.277, 75.032.



This preview shows how white text looks on a background with the CIELCh color 81, 56.277, 75.032.

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
81, 28.417, 10.186

Trichromacy



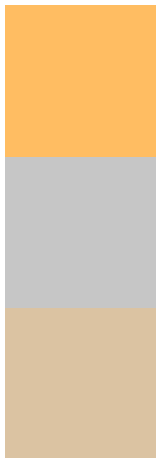
Original Color
81, 56.277, 75.032

Protanomaly
81, 52.486, 87.439

Deuteranomaly
81, 56.043, 77.860

Tritanomaly
81, 32.326, 47.168

Monochromacy



Original Color
81, 56.277, 75.032

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 19.999, 80.063

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 56.277, 75.032 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, 189, 98)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 98)  
}
```

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, 189, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 56.277, 75.032 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, 189, 98) }
```

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

```
.border{ border-color:rgb(255, 189, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 189, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 98);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 56.277, 75.032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 189, 98) }
```

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

```
.background{ background-color: rgb(255,  
189, 98) }
```

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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