

Converting Colors

CIELCh(76, 57.255, 81.251)

Have a look what the booklet for
CIELCh(76, 57.255, 81.251) contains.

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Color

CIELCh(76, 56.975, 81.229)

Conversions

Conversions Part 1

Format	Color
Hex	E7B350
RGB	231, 179, 80
RGB Percent	91%, 70%, 31%
CMY	0.0935, 0.2975, 0.6858
CMYK	0.00, 0.23, 0.65, 0.09
HSL	39°, 76%, 61%
HSV	39°, 65%, 91%
XYZ	50.6016, 49.8872, 14.5764
YIQ	183.2620, 62.7710, -19.7650

Conversions

Conversions Part 2

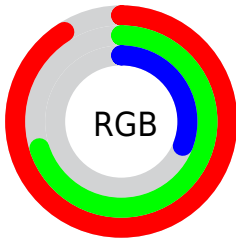
Format	Color
RYB	159, 231, 80
Decimal	15184720
CIELab	76.00, 8.69, 56.31
CIELCh	76, 56.975, 81.229
Yxy	49.8872, 0.4398, 0.4336
Android (android.graphics.Color)	4293374800 (0xFFE7B350)
YUV	183.2620, -50.9082, 41.8662
Hunter-Lab	70.6309, 4.2773, 37.2057

Details

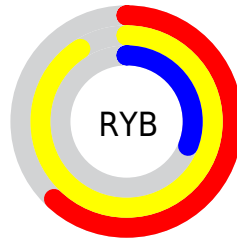
The CIELCh color **76, 56.975, 81.229** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **56, 57.067, 284.063**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 52.006, 96.943**, and **56, 57.131, 81.342** is the 20% darker color. If you saturate the color by 10%, you get **74, 64.886, 79.582**, and if you desaturate by 10%, it is **78, 48.326, 82.753**.

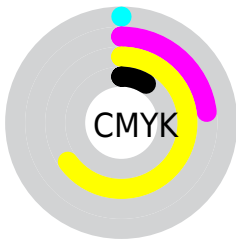
Distribution



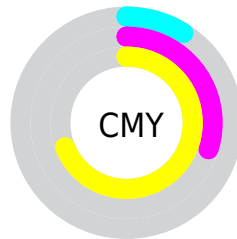
- Red (91%)
- Green (70%)
- Blue (31%)



- Red (62%)
- Yellow (91%)
- Blue (31%)



- Cyan (0%)
- Magenta (23%)
- Yellow (65%)
- Black (9%)



- Cyan (9%)
- Magenta (30%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 56.975, 81.229 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 76, 56.975, 81.229 by changing the saturation by 10% instead.

 76, 56.975, 81.229

 76, 56.975, 81.229

 100, 56.975,
81.229

 66, 56.975, 81.229

 96, 56.975, 81.229

 56, 56.975, 81.229

 46, 56.975, 81.229

 36, 56.975, 81.229

 26, 56.975, 81.229

 16, 56.975, 81.229

 6, 56.975, 81.229

 0, 56.975, 81.229

 76, 56.975, 81.229

 76, 56.975, 81.229

74, 64.886, 79.582

78, 48.326, 82.753

72, 71.314, 77.683

81, 39.400, 84.201

70, 75.349, 75.344

83, 30.451, 85.600

69, 76.589, 74.133

85, 21.607, 86.958

88, 12.929, 88.270

90, 4.440, 89.506

93, 3.859, 270.871

95, 7.344, 257.848

97, 6.995, 217.080

Harmonies

Complementary

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



76, 56.975, 81.229



56, 57.067, 284.063

Rectangle

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



76, 56.975, 81.229



76, 56.975, 131.229



76, 56.975, 261.229



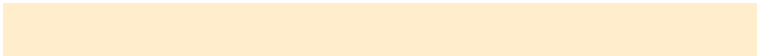
76, 56.975, 311.229

Sweetspot

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



76, 56.975, 81.232



95, 18.364, 87.650



57, 62.410, 2.713



50, 12.569, 87.277



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 56.975, 81.232



80, 72.242, 79.030



88, 73.215, 111.605



47, 4.727, 89.013



54, 63.127, 74.680



14, 21.945, 77.414

Inverse Universe

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



56, 57.067, 284.063



55, 74.838, 288.597



45, 88.378, 303.658



45, 4.720, 271.512



31, 73.336, 295.877



6, 25.126, 287.240

Previews

White Background



This preview shows how the CIELCh color 76, 56.975, 81.229 looks on a white background.

Color Contrast Check

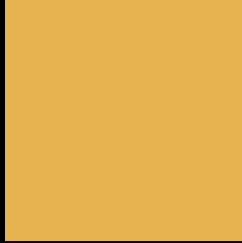
Large Text (above 18pt) WCAG AA × Fail

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 76, 56.975, 81.229 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 76, 56.975, 81.229

Background



This preview shows how black text looks on a background with the CIELCh color 76, 56.975, 81.229.



This preview shows how white text looks on a background with the CIELCh color 76, 56.975, 81.229.

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

76, 56.975, 81.229

Protanopia

76, 54.744, 95.822

Deuteranopia

76, 57.216, 79.876



Tritanopia
76, 28.182, 7.858

Trichromacy



Original Color
76, 56.975, 81.229

Protanomaly
76, 55.058, 90.707

Deuteranomaly
76, 57.003, 80.267

Tritanomaly
76, 30.941, 49.840

Monochromacy



Original Color
76, 56.975, 81.229

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 20.856, 86.629

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 56.975, 81.229 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(231, 179, 80)` looks like.

```
.text, #text, p{  
    color:rgb(231, 179, 80)  
}
```

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(231, 179, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 179, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 56.975, 81.229 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(231, 179, 80) }
```

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

```
.border{ border-color:rgb(231, 179, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 179, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 179, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 179, 80);  
box-shadow:4px 4px 4px 4px rgb(231, 179,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 56.975, 81.229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 179, 80) }
```

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

```
.background{ background-color: rgb(231,  
179, 80) }
```

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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