

Converting Colors

CIELCh(81, 57.280, 85.166)

Have a look what the booklet for
CIELCh(81, 57.280, 85.166) contains.

CIELCh(81, 57.256, 85.232)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(81, 57.256, 85.232)

Conversions

Conversions Part 1

Format	Color
Hex	F0C35B
RGB	240, 195, 91
RGB Percent	94%, 76%, 36%
CMY	0.0578, 0.2343, 0.6422
CMYK	0.00, 0.19, 0.62, 0.06
HSL	42°, 83%, 65%
HSV	42°, 62%, 94%
XYZ	57.4945, 58.4711, 18.2062
YIQ	196.5990, 60.2040, -22.8040

Conversions

Conversions Part 2

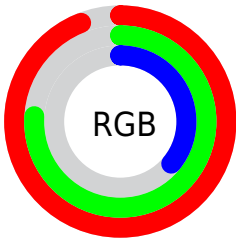
Format	Color
RYB	155, 240, 91
Decimal	15778651
CIELab	81.00, 4.76, 57.06
CIELCh	81, 57.256, 85.232
Yxy	58.4711, 0.4285, 0.4358
Android (android.graphics.Color)	4293968731 (0xFFFF0C35B)
YUV	196.5990, -52.0603, 38.0627
Hunter-Lab	76.4664, 0.3966, 39.4099

Details

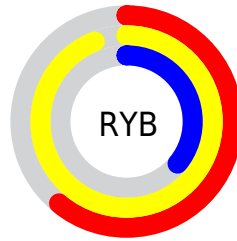
The CIELCh color **81, 57.256, 85.232** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **58, 59.292, 286.017**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 52.727, 104.355**, and **61, 57.465, 85.263** is the 20% darker color. If you saturate the color by 10%, you get **79, 65.601, 83.694**, and if you desaturate by 10%, it is **83, 48.193, 86.689**.

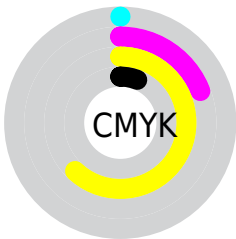
Distribution



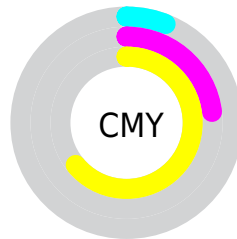
- Red (94%)
- Green (76%)
- Blue (36%)



- Red (61%)
- Yellow (94%)
- Blue (36%)



- Cyan (0%)
- Magenta (19%)
- Yellow (62%)
- Black (6%)



- Cyan (6%)
- Magenta (23%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 57.256, 85.232 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, 57.256, 85.232 by changing the saturation by 10% instead.

 81, 57.256, 85.232

 81, 57.256, 85.232

 100, 57.256,
85.232

 71, 57.256, 85.232

 61, 57.256, 85.232

 51, 57.256, 85.232

 41, 57.256, 85.232

 31, 57.256, 85.232

 21, 57.256, 85.232

 11, 57.256, 85.232

 1, 57.256, 85.232

 0, 57.256, 85.232

81, 57.256, 85.232

81, 57.256, 85.232

79, 65.601, 83.694

83, 48.193, 86.689

77, 72.540, 81.988

85, 38.836, 88.089

75, 77.181, 79.983

87, 29.423, 89.447

74, 79.104, 78.118

90, 20.079, 90.766

92, 10.864, 92.038

94, 1.806, 93.159

97, 4.965, 266.898

99, 4.558, 210.163

99, 5.072, 199.215

Harmonies

Complementary

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



81, 57.256, 85.232



58, 59.292, 286.017

Rectangle

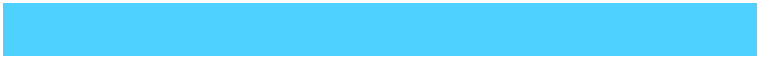
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81, 57.256, 85.232



81, 57.256, 135.232



81, 57.256, 265.232



81, 57.256, 315.232

Sweetspot

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



81, 57.256, 85.235



95, 18.129, 91.149



60, 61.275, 4.398



50, 12.508, 90.779



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, 57.256, 85.235



83, 70.386, 83.335



90, 72.731, 113.304



49, 5.110, 92.352



58, 64.705, 78.600



17, 25.030, 81.449

Inverse Universe

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



58, 59.292, 286.017



55, 75.448, 289.962



49, 86.250, 303.937



47, 5.125, 274.798



30, 80.147, 298.235



6, 29.346, 291.456

Previews

White Background



This preview shows how the CIELCh color 81, 57.256, 85.232 looks on a white background.

Color Contrast Check

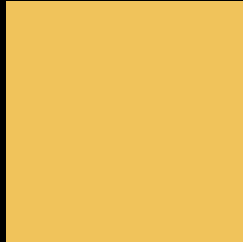
Large Text (above 18pt) WCAG AA × Fail

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, 57.256, 85.232 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, 57.256, 85.232

Background



This preview shows how black text looks on a background with the CIELCh color 81, 57.256, 85.232.



This preview shows how white text looks on a background with the CIELCh color 81, 57.256, 85.232.

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

81, 57.256, 85.232

Protanopia

81, 56.272, 95.905

Deuteranopia

81, 57.926, 79.940



Tritanopia
81, 25.584, 4.926

Trichromacy



Original Color
81, 57.256, 85.232

Protanomaly
81, 56.633, 92.368

Deuteranomaly
81, 57.496, 81.644

Tritanomaly
81, 28.447, 53.099

Monochromacy



Original Color
81, 57.256, 85.232

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 20.769, 89.365

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 57.256, 85.232 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(240, 195, 91)` looks like.

```
.text, #text, p{  
    color:rgb(240, 195, 91)  
}
```

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(240, 195, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 195, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 57.256, 85.232 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(240, 195, 91) }
```

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

```
.border{ border-color:rgb(240, 195, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 195, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 195, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 195, 91);  
box-shadow:4px 4px 4px 4px rgb(240, 195,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 57.256, 85.232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 195, 91) }
```

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

```
.background{ background-color: rgb(240,  
195, 91) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor