

Converting Colors

CIELCh(84, 65.280, 84.497)

Have a look what the booklet for
CIELCh(84, 65.280, 84.497) contains.

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Color

CIELCh(84, 65.367, 84.402)

Conversions

Conversions Part 1

Format	Color
Hex	FECA51
RGB	254, 202, 81
RGB Percent	100%, 79%, 32%
CMY	0.0029, 0.2069, 0.6814
CMYK	0.00, 0.20, 0.68, 0.00
HSL	42°, 99%, 66%
HSV	42°, 68%, 100%
XYZ	63.6352, 64.0658, 16.8415
YIQ	203.7540, 69.8330, -26.6070

Conversions

Conversions Part 2

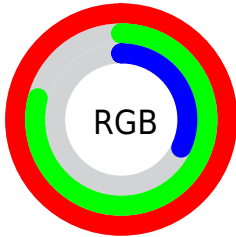
Format	Color
RYB	155, 254, 81
Decimal	16697937
CIELab	84.00, 6.38, 65.06
CIELCh	84, 65.367, 84.402
Yxy	64.0658, 0.4403, 0.4432
Android (android.graphics.Color)	4294888017 (0xFFFECA51)
YUV	203.7540, -60.5177, 44.0657
Hunter-Lab	80.0411, 1.8412, 43.5535

Details

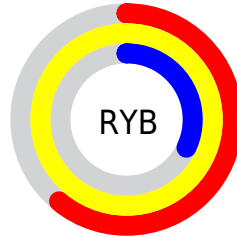
The CIELCh color **84, 65.367, 84.402** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **58, 68.809, 288.067**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 58.607, 105.692**, and **64, 65.241, 84.390** is the 20% darker color. If you saturate the color by 10%, you get **82, 73.280, 82.772**, and if you desaturate by 10%, it is **86, 56.279, 85.909**.

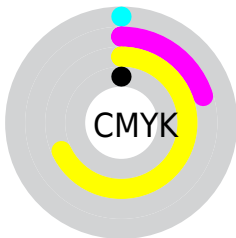
Distribution



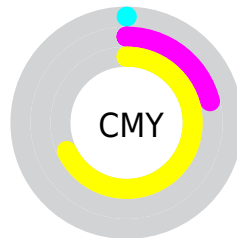
- Red (100%)
- Green (79%)
- Blue (32%)



- Red (61%)
- Yellow (100%)
- Blue (32%)



- Cyan (0%)
- Magenta (20%)
- Yellow (68%)
- Black (0%)



- Cyan (0%)
- Magenta (21%)
- Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 65.367, 84.402 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 84, 65.367, 84.402 by changing the saturation by 10% instead.

 84, 65.367, 84.402

 84, 65.367, 84.402

 100, 65.367,
84.402

 74, 65.367, 84.402

 64, 65.367, 84.402

 54, 65.367, 84.402

 44, 65.367, 84.402

 34, 65.367, 84.402

 24, 65.367, 84.402

 14, 65.367, 84.402

 4, 65.367, 84.402

 0, 65.367, 84.402

84, 65.367, 84.402

84, 65.367, 84.402

82, 73.280, 82.772

86, 56.279, 85.909

80, 79.132, 80.898

88, 46.631, 87.343

78, 82.149, 78.630

91, 36.784, 88.729

78, 82.572, 78.166

93, 26.938, 90.075

95, 17.192, 91.380

98, 7.595, 92.628

100, 0.258,
201.955

Harmonies

Complementary

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



84, 65.367, 84.402



58, 68.809, 288.067

Rectangle

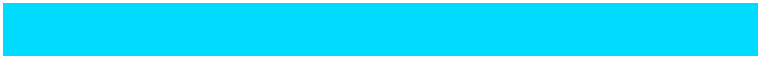
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84, 65.367, 84.402



84, 65.367, 134.402



84, 65.367, 264.402



84, 65.367, 314.402

Sweetspot

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



84, 65.367, 84.405



95, 19.126, 91.129



61, 69.351, 6.230



50, 13.080, 90.764



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 65.367, 84.405



81, 76.068, 82.067



95, 81.898, 113.097



52, 5.384, 92.452



60, 66.707, 78.654



20, 28.570, 81.364

Inverse Universe

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



58, 68.809, 288.067



50, 84.682, 292.832



48, 99.424, 304.762



50, 5.401, 274.911



31, 83.037, 298.405



8, 33.328, 293.517

Previews

White Background



This preview shows how the CIELCh color 84, 65.367, 84.402 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 84, 65.367, 84.402 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 84, 65.367, 84.402

Background



This preview shows how black text looks on a background with the CIELCh color 84, 65.367, 84.402.



This preview shows how white text looks on a background with the CIELCh color 84, 65.367, 84.402.

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

84, 65.367, 84.402

Protanopia

84, 64.096, 95.325

Deuteranopia

84, 52.962, 80.063



Tritanopia
84, 24.066, 6.328

Trichromacy



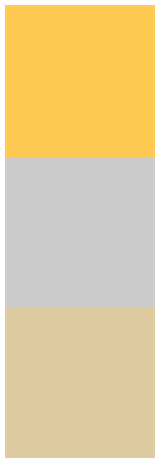
Original Color
84, 65.367, 84.402

Protanomaly
84, 64.295, 91.389

Deuteranomaly
84, 57.373, 81.546

Tritanomaly
84, 30.938, 57.887

Monochromacy



Original Color
84, 65.367, 84.402

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 24.394, 89.988

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 65.367, 84.402 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(254, 202, 81)` looks like.

```
.text, #text, p{  
    color:rgb(254, 202, 81)  
}
```

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(254, 202, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 202, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 65.367, 84.402 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(254, 202, 81) }
```

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

```
.border{ border-color:rgb(254, 202, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 202, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 202, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 202, 81);  
box-shadow:4px 4px 4px 4px rgb(254, 202,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 65.367, 84.402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 202, 81) }
```

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

```
.background{ background-color: rgb(254,  
202, 81) }
```

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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