

Converting Colors

CIELCh(84, 62.075, 82.836)

Have a look what the booklet for
CIELCh(84, 62.075, 82.836) contains.

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Color

CIELCh(84, 62.072, 82.828)

Conversions

Conversions Part 1

Format	Color
Hex	FFC959
RGB	255, 201, 89
RGB Percent	100%, 79%, 35%
CMY	0.0000, 0.2100, 0.6493
CMYK	0.00, 0.21, 0.65, 0.00
HSL	41°, 100%, 68%
HSV	41°, 65%, 100%
XYZ	64.2364, 64.0658, 18.5273
YIQ	204.3780, 68.1360, -23.3840

Conversions

Conversions Part 2

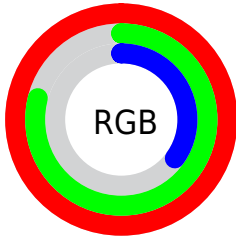
Format	Color
R_{YB}	169, 255, 89
Decimal	16763225
CIE _{Lab}	84.00, 7.75, 61.59
CIE _{LCh}	84, 62.072, 82.828
Yxy	64.0658, 0.4375, 0.4363
Android (android.graphics.Color)	4294953305 (0xFFFFC959)
YUV	204.3780, -56.8814, 44.3955
Hunter-Lab	80.0411, 3.1819, 42.3048

Details

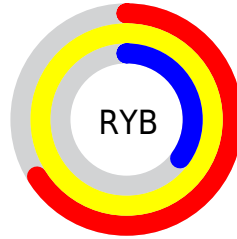
The CIELCh color **84, 62.072, 82.828** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **61, 63.367, 285.539**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 55.386, 105.939**, and **64, 61.953, 82.872** is the 20% darker color. If you saturate the color by 10%, you get **82, 70.453, 81.384**, and if you desaturate by 10%, it is **86, 52.631, 84.520**.

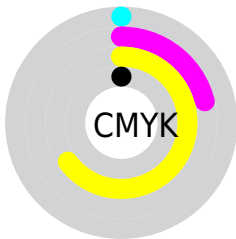
Distribution



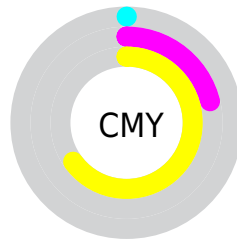
- Red (100%)
- Green (79%)
- Blue (35%)



- Red (66%)
- Yellow (100%)
- Blue (35%)



- Cyan (0%)
- Magenta (21%)
- Yellow (65%)
- Black (0%)



- Cyan (0%)
- Magenta (21%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 62.072, 82.828 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, 62.072, 82.828 by changing the saturation by 10% instead.

 84, 62.072, 82.828

 84, 62.072, 82.828

 100, 62.072,
82.828

 74, 62.072, 82.828

 64, 62.072, 82.828

 54, 62.072, 82.828

 44, 62.072, 82.828

 34, 62.072, 82.828

 24, 62.072, 82.828

 14, 62.072, 82.828

 4, 62.072, 82.828

 0, 62.072, 82.828

84, 62.072, 82.828

84, 62.072, 82.828

82, 70.453, 81.384

86, 52.631, 84.520

80, 77.236, 79.529

89, 42.924, 85.960

78, 81.364, 77.271

91, 33.145, 87.353

77, 82.554, 75.975

94, 23.446, 88.705

96, 13.899, 90.011

99, 4.534, 91.240

100, 0.012,
296.813

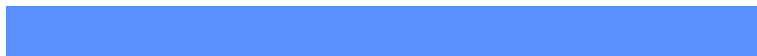
Harmonies

Complementary

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



84, 62.072, 82.828



61, 63.367, 285.539

Rectangle

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



84, 62.072, 82.828



84, 62.072, 132.828



84, 62.072, 262.828



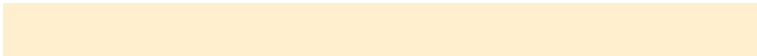
84, 62.072, 312.828

Sweetspot

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



84, 61.979, 83.012



95, 17.767, 89.485



62, 66.998, 3.983



50, 12.263, 89.111



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, 61.979, 83.012



81, 72.763, 80.845



95, 78.971, 112.402



52, 5.262, 90.694



59, 66.521, 76.506



19, 28.230, 79.267

Inverse Universe

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



61, 63.367, 285.539



54, 77.361, 289.999



50, 95.033, 303.997



50, 5.266, 273.190



32, 80.225, 297.232



8, 32.189, 292.183

Previews

White Background



This preview shows how the CIELCh color 84, 62.072, 82.828 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, 62.072, 82.828 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, 62.072, 82.828

Background



This preview shows how black text looks on a background with the CIELCh color 84, 62.072, 82.828.



This preview shows how white text looks on a background with the CIELCh color 84, 62.072, 82.828.

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, 62.072, 82.828

Protanopia

84, 60.211, 95.526

Deuteranopia

84, 52.327, 79.282



Tritanopia
84, 24.066, 6.328

Trichromacy



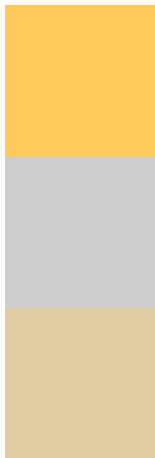
Original Color
84, 62.072, 82.828

Protanomaly
84, 60.520, 90.965

Deuteranomaly
84, 56.061, 81.136

Tritanomaly
84, 29.867, 55.790

Monochromacy



Original Color
84, 62.072, 82.828

Achromatopsia
82, 0.010, 296.813

Achromatomaly
83, 22.874, 89.004

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 62.072, 82.828 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, 201, 89)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 89)  
}
```

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, 201, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 62.072, 82.828 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, 201, 89) }
```

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

```
.border{ border-color:rgb(255, 201, 89) }
```

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

Here you see how a box with a 4 pixel rgb(255, 201, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 201, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 201, 89);  
box-shadow:4px 4px 4px 4px rgb(255, 201,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 62.072, 82.828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 201, 89) }
```

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

```
.background{ background-color: rgb(255,  
201, 89) }
```

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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