

Converting Colors

CIELCh(87, 83.141, 90.757)

Have a look what the booklet for
CIELCh(87, 83.141, 90.757) contains.

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Color

CIELCh(87, 83.098, 91.062)

Conversions

Conversions Part 1

Format	Color
Hex	FFD721
RGB	255, 215, 33
RGB Percent	100%, 84%, 13%
CMY	0.0000, 0.1566, 0.8702
CMYK	0.00, 0.16, 0.87, 0.00
HSL	49°, 100%, 56%
HSV	49°, 87%, 100%
XYZ	65.8489, 70.0064, 11.4868
YIQ	206.2120, 82.2620, -48.1220

Conversions

Conversions Part 2

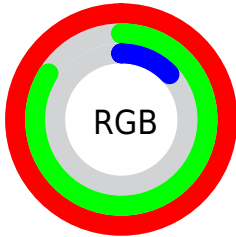
Format	Color
R _Y B	82, 255, 33
Decimal	16766753
CIE Lab	87.00, -1.54, 83.08
CIE LCh	87, 83.098, 91.062
Yxy	70.0064, 0.4469, 0.4751
Android (android.graphics.Color)	4294956833 (0xFFFFD721)
YUV	206.2120, -85.3935, 42.7871
Hunter-Lab	83.6698, -5.9411, 50.4291

Details

The CIELCh color **87, 83.098, 91.062** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light washed yellow. A complement of this color would be **42, 106.753, 300.278**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 74.053, 104.520**, and **67, 70.442, 90.740** is the 20% darker color. If you saturate the color by 10%, you get **86, 85.687, 89.709**, and if you desaturate by 10%, it is **88, 77.588, 92.356**.

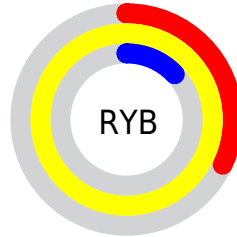
Distribution



Red (100%)

Green (84%)

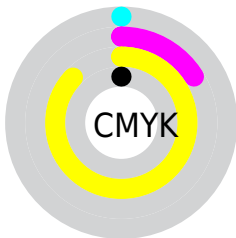
Blue (13%)



Red (32%)

Yellow (100%)

Blue (13%)

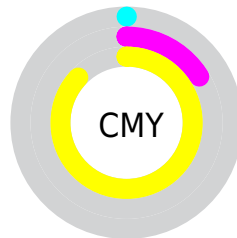


Cyan (0%)

Magenta (16%)

Yellow (87%)

Black (0%)



Cyan (0%)

Magenta (16%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 83.098, 91.062 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 87, 83.098, 91.062 by changing the saturation by 10% instead.

87, 83.098, 91.062

87, 83.098, 91.062

100, 83.098,
91.062

77, 83.098, 91.062

67, 83.098, 91.062

57, 83.098, 91.062

47, 83.098, 91.062

37, 83.098, 91.062

27, 83.098, 91.062

17, 83.098, 91.062

7, 83.098, 91.062

0, 83.098, 91.062

87, 83.098, 91.062

87, 83.098, 91.062

86, 85.687, 89.709

88, 77.588, 92.356

85, 86.110, 89.286

90, 69.810, 93.592

91, 60.555, 94.817

92, 50.445, 96.038

94, 39.889, 97.254

95, 29.133, 98.455

97, 18.319, 99.632

99, 7.528, 100.769

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.



87, 83.098, 91.062



42, 106.753, 300.278

Rectangle

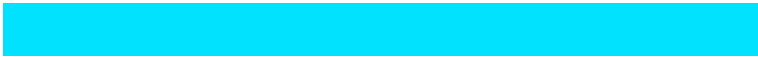
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 83.098, 91.062



87, 83.098, 141.062



87, 83.098, 271.062



87, 83.098, 321.062

Sweetspot

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



87, 83.091, 91.081



96, 28.028, 98.576



55, 86.330, 25.021



50, 19.003, 98.163



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 83.091, 91.081



85, 86.110, 89.286



93, 98.365, 119.685



52, 6.102, 100.492



66, 69.463, 89.552



22, 30.912, 91.428

Inverse Universe

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



42, 106.753, 300.278



36, 121.373, 303.523



40, 121.586, 308.627



49, 6.182, 282.726



27, 96.434, 303.120



6, 38.367, 298.167

Previews

White Background



This preview shows how the CIELCh color 87, 83.098, 91.062 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 87, 83.098, 91.062 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 87, 83.098, 91.062

Background



This preview shows how black text looks on a background with the CIELCh color 87, 83.098, 91.062.



This preview shows how white text looks on a background with the CIELCh color 87, 83.098, 91.062.

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

87, 83.098, 91.062

Protanopia

87, 83.020, 95.076

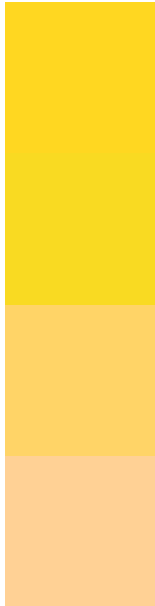
Deuteranopia

87, 39.985, 80.146



Tritanopia
87, 19.335, 3.742

Trichromacy



Original Color
87, 83.098, 91.062

Protanomaly
87, 83.005, 93.851

Deuteranomaly
87, 58.547, 87.085

Tritanomaly
87, 36.818, 76.673

Monochromacy



Original Color
87, 83.098, 91.062

Achromatopsia
83, 0.010, 296.813

Achromatomaly
84, 34.913, 97.069

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 83.098, 91.062 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, 215, 33)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 33)  
}
```

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, 215, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 83.098, 91.062 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, 215, 33) }
```

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

```
.border{ border-color:rgb(255, 215, 33) }
```

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

Here you see how a box with a 4 pixel rgb(255, 215, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 33);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 83.098, 91.062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 33) }
```

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

```
.background{ background-color: rgb(255,  
215, 33) }
```

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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