

Converting Colors

CIELCh(83, 78.562, 84.402)

Have a look what the booklet for
CIELCh(83, 78.562, 84.402) contains.

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Color

CIELCh(83, 78.218, 84.620)

Conversions

Conversions Part 1

Format	Color
Hex	FFC72A
RGB	255, 199, 42
RGB Percent	100%, 78%, 16%
CMY	0.0000, 0.2215, 0.8365
CMYK	0.00, 0.22, 0.84, 0.00
HSL	44°, 100%, 58%
HSV	44°, 84%, 100%
XYZ	62.1830, 62.1629, 10.8828
YIQ	197.8460, 83.7730, -36.9550

Conversions

Conversions Part 2

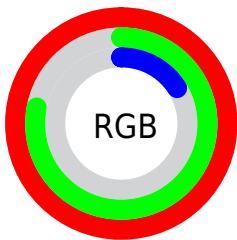
Format	Color
R _Y B	118, 255, 42
Decimal	16762666
CIE Lab	83.00, 7.33, 77.87
CIE LCh	83, 78.218, 84.620
Yxy	62.1629, 0.4598, 0.4597
Android (android.graphics.Color)	4294952746 (0xFFFFC72A)
YUV	197.8460, -76.8321, 50.1241
Hunter-Lab	78.8435, 2.8048, 47.0066

Details

The CIELCh color **83, 78.218, 84.620** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **48, 91.338, 295.398**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 72.857, 104.610**, and **63, 68.110, 83.937** is the 20% darker color. If you saturate the color by 10%, you get **81, 82.141, 82.923**, and if you desaturate by 10%, it is **85, 71.440, 86.423**.

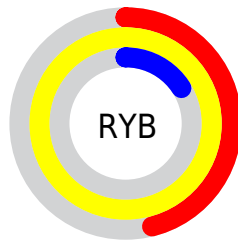
Distribution



Red (100%)

Green (78%)

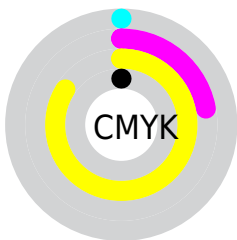
Blue (16%)



Red (46%)

Yellow (100%)

Blue (16%)

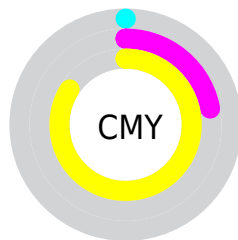


Cyan (0%)

Magenta (22%)

Yellow (84%)

Black (0%)



Cyan (0%)

Magenta (22%)

Yellow (84%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 78.218, 84.620 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 83, 78.218, 84.620 by changing the saturation by 10% instead.

 83, 78.218, 84.620

 83, 78.218, 84.620

 100, 78.218,
84.620

 73, 78.218, 84.620

 63, 78.218, 84.620

 53, 78.218, 84.620

 43, 78.218, 84.620

 33, 78.218, 84.620

 23, 78.218, 84.620

 13, 78.218, 84.620

 3, 78.218, 84.620

 0, 78.218, 84.620

83, 78.218, 84.620

83, 78.218, 84.620

81, 82.141, 82.923

85, 71.440, 86.423

80, 83.359, 81.577

87, 62.993, 87.906

89, 53.555, 89.315

91, 43.643, 90.680

93, 33.557, 92.010

95, 23.464, 93.305

97, 13.451, 94.558

99, 3.562, 95.729

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.



83, 78.218, 84.620



48, 91.338, 295.398

Rectangle

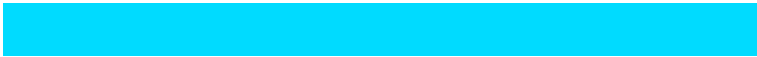
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83, 78.218, 84.620



83, 78.218, 134.620



83, 78.218, 264.620



83, 78.218, 314.620

Sweetspot

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



83, 78.121, 84.800



94, 24.826, 93.132



56, 81.183, 16.518



50, 16.970, 92.680



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 78.121, 84.800



80, 83.359, 81.577



94, 94.570, 115.566



52, 5.586, 95.061



62, 67.222, 82.003



20, 29.176, 84.549

Inverse Universe

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



48, 91.338, 295.398



40, 110.274, 300.598



40, 119.646, 307.172



50, 5.622, 277.456



30, 87.339, 300.062



7, 35.006, 295.270

Previews

White Background



This preview shows how the CIELCh color 83, 78.218, 84.620 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 83, 78.218, 84.620 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 83, 78.218, 84.620

Background



This preview shows how black text looks on a background with the CIELCh color 83, 78.218, 84.620.



This preview shows how white text looks on a background with the CIELCh color 83, 78.218, 84.620.

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](#).

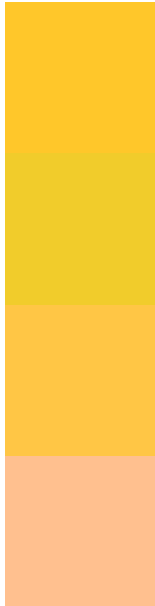
Dichromacy





Tritanopia
83, 25.648, 7.427

Trichromacy



Original Color
83, 78.117, 84.974

Protanomaly
83, 76.928, 91.230

Deuteranomaly
83, 69.404, 83.145

Tritanomaly
82, 37.394, 63.457

Monochromacy



Original Color
83, 78.117, 84.974

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 31.292, 91.465

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 78.218, 84.620 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, 199, 42)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 42)  
}
```

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, 199, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 78.218, 84.620 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, 199, 42) }
```

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

```
.border{ border-color:rgb(255, 199, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 199, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 42);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 78.218, 84.620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 42) }
```

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

```
.background{ background-color: rgb(255,  
199, 42) }
```

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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