

Converting Colors

CIELCh(83, 78.933, 108.828)

Have a look what the booklet for
CIELCh(83, 78.933, 108.828)
contains.

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Color

CIELCh(83, 78.963, 108.707)

Conversions

Conversions Part 1

Format	Color
Hex	C8D92E
RGB	200, 217, 46
RGB Percent	78%, 85%, 18%
CMY	0.2153, 0.1486, 0.8191
CMYK	0.08, 0.00, 0.79, 0.15
HSL	66°, 69%, 52%
HSV	66°, 79%, 85%
XYZ	49.1763, 62.1629, 12.0033
YIQ	192.4230, 44.7590, -56.7850

Conversions

Conversions Part 2

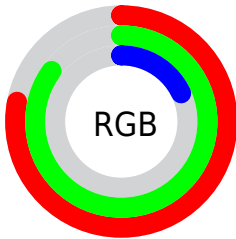
Format	Color
RYB	46, 217, 63
Decimal	13162798
CIELab	83.00, -25.33, 74.79
CIELCh	83, 78.963, 108.707
Yxy	62.1629, 0.3987, 0.5040
Android (android.graphics.Color)	4291352878 (0xFFC8D92E)
YUV	192.4230, -72.1865, 6.6450
Hunter-Lab	78.8435, -26.6421, 46.1640

Details

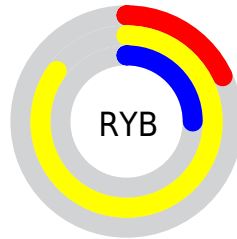
The CIELCh color **83, 78.963, 108.707** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **34, 101.421, 304.761**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 71.231, 104.732**, and **63, 69.743, 110.279** is the 20% darker color. If you saturate the color by 10%, you get **83, 83.704, 108.683**, and if you desaturate by 10%, it is **83, 72.055, 109.012**.

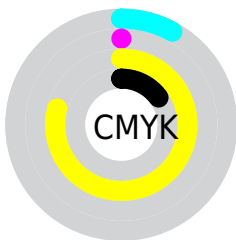
Distribution



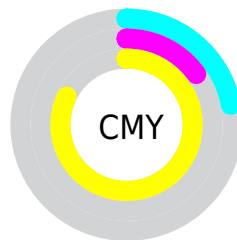
- Red (78%)
- Green (85%)
- Blue (18%)



- Red (18%)
- Yellow (85%)
- Blue (25%)



- Cyan (8%)
- Magenta (0%)
- Yellow (79%)
- Black (15%)





- Cyan (22%)
- Magenta (15%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 78.963, 108.707 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, 78.963, 108.707 by changing the saturation by 10% instead.


 83, 78.963,
108.707


 83, 78.963,
108.707


 100, 78.963,
108.707


 73, 78.963,
108.707

 63, 78.963,
108.707

 53, 78.963,
108.707

 43, 78.963,
108.707

 33, 78.963,
108.707

 23, 78.963,
108.707

 13, 78.963,

108.707

■ 3, 78.963, 108.707

■ 0, 78.963, 108.707

■ 83, 78.963,
108.707

■ 83, 78.963,
108.707

■ 83, 83.704,
108.683

■ 83, 72.055,
109.012

■ 83, 86.193,
108.951

■ 84, 63.486,
109.526

■ 83, 86.442,
108.991

■ 84, 53.776,
110.185

■ 84, 43.330,
110.935

■ 85, 32.430,

111.735

■ 85, 21.263,
112.556

■ 86, 9.951, 113.376

■ 87, 1.428, 294.205

■ 88, 12.819,
294.969

Harmonies

Complementary

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



83, 78.963, 108.707



34, 101.421, 304.761

Rectangle

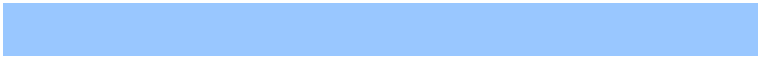
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83, 78.963, 108.707



83, 78.963, 158.707



83, 78.963, 288.707



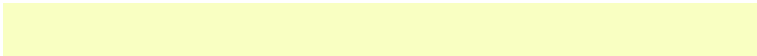
83, 78.963, 338.707

Sweetspot

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



83, 78.963, 108.709



98, 30.927, 112.106



50, 74.418, 36.524



52, 21.201, 111.812



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, 78.963, 108.709



95, 96.676, 108.855



78, 88.625, 129.139



46, 6.505, 113.320



67, 73.085, 108.901



18, 26.605, 109.756

Inverse Universe

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



34, 101.421, 304.761



34, 130.905, 306.365



43, 96.567, 314.807



42, 6.648, 294.901



21, 99.656, 306.633



2, 29.734, 297.359

Previews

White Background



This preview shows how the CIELCh color 83, 78.963, 108.707 looks on a white background.

Color Contrast Check

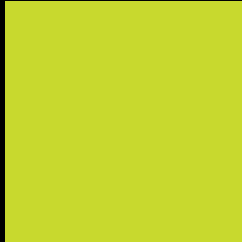
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 83, 78.963, 108.707 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, 78.963, 108.707

Background



This preview shows how black text looks on a background with the CIELCh color 83, 78.963, 108.707.

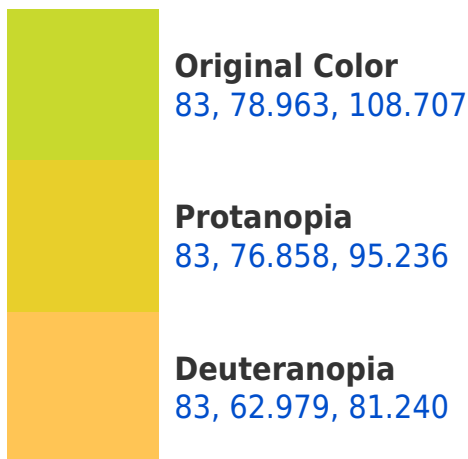


This preview shows how white text looks on a background with the CIELCh color 83, 78.963, 108.707.

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, 9.717, 319.487

Trichromacy



Original Color
83, 78.963, 108.707

Protanomaly
83, 77.177, 100.522

Deuteranomaly
83, 67.162, 92.664

Tritanomaly
82, 27.249, 105.247

Monochromacy



Original Color
83, 78.963, 108.707

Achromatopsia
78, 0.009, 296.813

Achromatomaly
80, 32.600, 111.472

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 78.963, 108.707 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(200, 217, 46)` looks like.

```
.text, #text, p{  
    color:rgb(200, 217, 46)  
}
```

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(200, 217, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 217, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 78.963, 108.707 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(200, 217, 46) }
```

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

```
.border{ border-color:rgb(200, 217, 46) }
```

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

Here you see how a box with a 4 pixel rgb(200, 217, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 217, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 217, 46);  
box-shadow:4px 4px 4px 4px rgb(200, 217,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 78.963, 108.707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 217, 46) }
```

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

```
.background{ background-color: rgb(200,  
217, 46) }
```

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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