

Converting Colors

CIELCh(78, 83.684, 126.372)

Have a look what the booklet for
CIELCh(78, 83.684, 126.372)
contains.

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Color

CIELCh(78, 83.660, 126.486)

Conversions

Conversions Part 1

Format	Color
Hex	84D633
RGB	132, 214, 51
RGB Percent	52%, 84%, 20%
CMY	0.4825, 0.1609, 0.8002
CMYK	0.38, 0.00, 0.76, 0.16
HSL	90°, 67%, 52%
HSV	90°, 76%, 84%
XYZ	34.1410, 53.2120, 11.5979
YIQ	170.9000, 3.4510, -68.0770

Conversions

Conversions Part 2

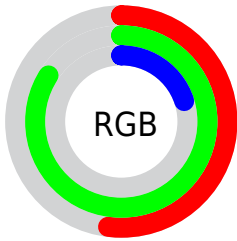
Format	Color
RYB	51, 214, 133
Decimal	8705587
CIELab	78.00, -49.75, 67.26
CIElCh	78, 83.660, 126.486
Yxy	53.2120, 0.3450, 0.5378
Android (android.graphics.Color)	4286895667 (0xFF84D633)
YUV	170.9000, -59.1107, -34.1153
Hunter-Lab	72.9466, -44.1136, 41.6360

Details

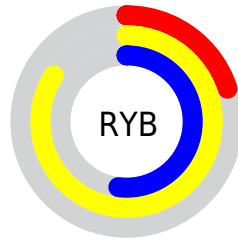
The CIELCh color **78, 83.660, 126.486** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **42, 93.762, 312.635**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 75.277, 124.494**, and **58, 77.488, 129.147** is the 20% darker color. If you saturate the color by 10%, you get **77, 90.217, 126.944**, and if you desaturate by 10%, it is **79, 75.178, 126.432**.

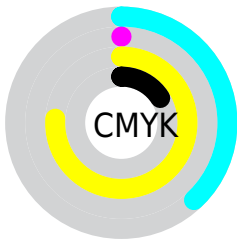
Distribution



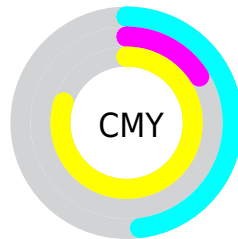
- Red (52%)
- Green (84%)
- Blue (20%)



- Red (20%)
- Yellow (84%)
- Blue (52%)



- Cyan (38%)
- Magenta (0%)
- Yellow (76%)
- Black (16%)




- Cyan (48%)
- Magenta (16%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 83.660, 126.486 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 78, 83.660, 126.486 by changing the saturation by 10% instead.


 78, 83.660,
126.486

 78, 83.660,
126.486

 100, 83.660,
126.486

 68, 83.660,
126.486

 98, 83.660,
126.486

 58, 83.660,
126.486

 48, 83.660,
126.486

 38, 83.660,
126.486

 28, 83.660,
126.486

 18, 83.660,
126.486

 8, 83.660, 126.486

■ 0, 83.660, 126.486

■ 78, 83.660,
126.486

■ 78, 83.660,
126.486

■ 77, 90.217,
126.944

■ 79, 75.178,
126.432

■ 77, 94.522,
127.891

■ 79, 65.284,
126.649

■ 77, 95.806,
128.306

■ 80, 54.448,
127.026

■ 81, 43.025,
127.484

■ 82, 31.266,
127.970

■ 84, 19.343,
128.454

■ 85, 7.375, 128.924

■ 86, 4.554, 309.308

■ 88, 16.383,
309.721

Harmonies

Complementary

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



78, 83.660, 126.486



42, 93.762, 312.635

Rectangle

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



78, 83.660, 126.486



78, 83.660, 176.486



78, 83.660, 306.486



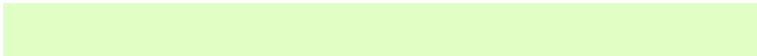
78, 83.660, 356.486

Sweetspot

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



78, 83.660, 126.487



97, 31.685, 128.114



63, 60.074, 65.513



51, 21.914, 127.936



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 83.660, 126.487



90, 106.118, 127.426



75, 94.555, 137.458



45, 6.783, 128.773



63, 80.814, 128.051



15, 27.777, 129.081

Inverse Universe

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



42, 93.762, 312.635



43, 120.756, 312.341



54, 92.431, 327.932



42, 6.875, 309.586



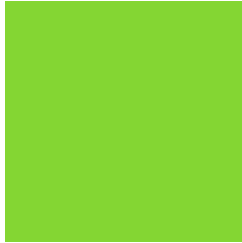
26, 92.315, 312.033



3, 28.994, 308.527

Previews

White Background



This preview shows how the CIELCh color 78, 83.660, 126.486 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 78, 83.660, 126.486 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 78, 83.660, 126.486

Background



This preview shows how black text looks on a background with the CIELCh color 78, 83.660, 126.486.

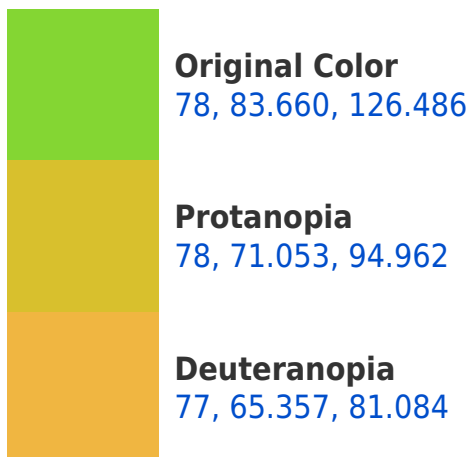


This preview shows how white text looks on a background with the CIELCh color 78, 83.660, 126.486.

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
78, 16.652, 229.687

Trichromacy



Original Color
78, 83.660, 126.486

Protanomaly
77, 72.705, 108.693

Deuteranomaly
77, 65.926, 101.348

Tritanomaly
77, 33.790, 146.516

Monochromacy



Original Color
78, 83.660, 126.486

Achromatopsia
70, 0.009, 296.813

Achromatomaly
72, 34.247, 127.585

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 83.660, 126.486 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(132, 214, 51)` looks like.

```
.text, #text, p{  
    color:rgb(132, 214, 51)  
}
```

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(132, 214, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 214, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 83.660, 126.486 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(132, 214, 51) }
```

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

```
.border{ border-color:rgb(132, 214, 51) }
```

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

Here you see how a box with a 4 pixel rgb(132, 214, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 214, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 214, 51);  
box-shadow:4px 4px 4px 4px rgb(132, 214,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 83.660, 126.486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 214, 51) }
```

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

```
.background{ background-color: rgb(132,  
214, 51) }
```

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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