

Converting Colors

CIELCh(86, 77.591, 111.389)

Have a look what the booklet for
CIELCh(86, 77.591, 111.389)
contains.

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Color

CIELCh(86, 77.441, 111.268)

Conversions

Conversions Part 1

Format	Color
Hex	CBE340
RGB	203, 227, 64
RGB Percent	80%, 89%, 25%
CMY	0.2040, 0.1099, 0.7491
CMYK	0.11, 0.00, 0.72, 0.11
HSL	69°, 74%, 57%
HSV	69°, 72%, 89%
XYZ	53.0083, 67.9871, 15.1756
YIQ	201.2420, 38.0190, -55.7810

Conversions

Conversions Part 2

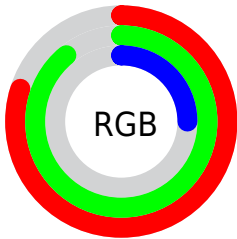
Format	Color
RYB	64, 227, 88
Decimal	13361984
CIELab	86.00, -28.09, 72.17
CIElCh	86, 77.441, 111.268
Yxy	67.9871, 0.3893, 0.4993
Android (android.graphics.Color)	4291552064 (0xFFCBE340)
YUV	201.2420, -67.6603, 1.5418
Hunter-Lab	82.4543, -29.5409, 46.8057

Details

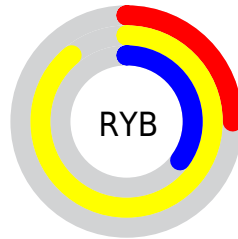
The CIELCh color **86, 77.441, 111.268** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **40, 95.936, 304.529**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 64.866, 105.214**, and **66, 73.336, 112.247** is the 20% darker color. If you saturate the color by 10%, you get **86, 84.017, 111.175**, and if you desaturate by 10%, it is **86, 68.973, 111.629**.

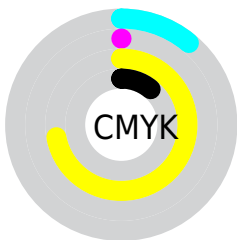
Distribution



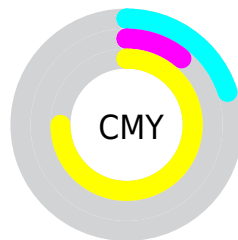
- Red (80%)
- Green (89%)
- Blue (25%)



- Red (25%)
- Yellow (89%)
- Blue (35%)



- Cyan (11%)
- Magenta (0%)
- Yellow (72%)
- Black (11%)



- Cyan (20%)
- Magenta (11%)
- Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 77.441, 111.268 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 86, 77.441, 111.268 by changing the saturation by 10% instead.

 86, 77.441,
111.268

 86, 77.441,
111.268

 100, 77.441,
111.268

 76, 77.441,
111.268

 66, 77.441,
111.268

 56, 77.441,
111.268

 46, 77.441,
111.268

 36, 77.441,
111.268

 26, 77.441,
111.268

 16, 77.441,


111.268


 6, 77.441, 111.268


 0, 77.441, 111.268


 86, 77.441,
111.268


 86, 77.441,
111.268


 86, 84.017,
111.175


 86, 68.973,
111.629

 85, 88.231,
111.418

 87, 59.167,
112.172

 85, 90.096,
111.850

 87, 48.484,
112.831

 88, 37.255,
113.556

 89, 25.699,

114.311

■ 89, 13.961,
115.070

■ 90, 2.136, 115.815

■ 91, 9.711, 296.546

■ 91, 14.717,
299.422

Harmonies

Complementary

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



86, 77.441, 111.268



40, 95.936, 304.529

Rectangle

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



86, 77.441, 111.268



86, 77.441, 161.268



86, 77.441, 291.268



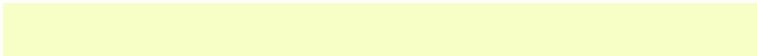
86, 77.441, 341.268

Sweetspot

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



86, 77.441, 111.270



98, 28.482, 114.285



55, 67.748, 37.525



52, 19.111, 114.078



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 77.441, 111.270



95, 94.266, 111.245



82, 87.288, 130.524



48, 6.775, 115.248



69, 75.246, 111.716



20, 29.584, 111.750

Inverse Universe

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



40, 95.936, 304.529



37, 123.314, 306.218



49, 93.097, 316.261



44, 6.922, 296.701



22, 101.421, 306.884



3, 33.978, 300.287

Previews

White Background



This preview shows how the CIELCh color 86, 77.441, 111.268 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 86, 77.441, 111.268 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 86, 77.441, 111.268

Background



This preview shows how black text looks on a background with the CIELCh color 86, 77.441, 111.268.



This preview shows how white text looks on a background with the CIELCh color 86, 77.441, 111.268.

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](#).

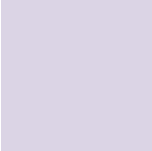
Dichromacy



Original Color
86, 77.441, 111.268

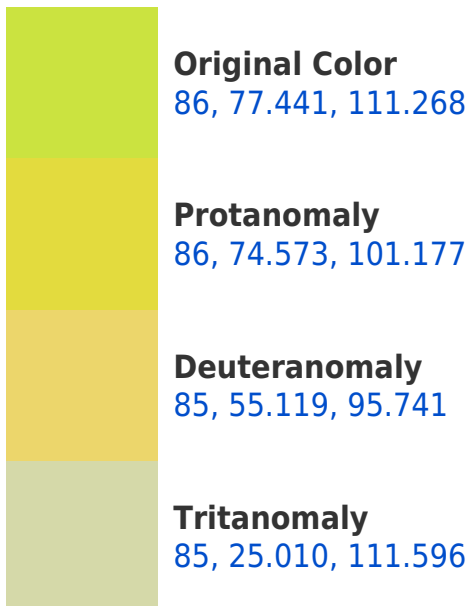
Protanopia
86, 74.354, 95.117

Deuteranopia
86, 44.195, 79.759



Tritanopia
86, 9.304, 306.284

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 77.441, 111.268 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(203, 227, 64)` looks like.

```
.text, #text, p{  
    color:rgb(203, 227, 64)  
}
```

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(203, 227, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 227, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 77.441, 111.268 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(203, 227, 64) }
```

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

```
.border{ border-color:rgb(203, 227, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 227, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 227, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 227, 64);  
box-shadow:4px 4px 4px 4px rgb(203, 227,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 77.441, 111.268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 227, 64) }
```

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

```
.background{ background-color: rgb(203,  
227, 64) }
```

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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