

Converting Colors

CIELCh(87, 86.427, 113.042)

Have a look what the booklet for
CIELCh(87, 86.427, 113.042)
contains.

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Color

CIELCh(87, 86.248, 113.022)

Conversions

Conversions Part 1

Format	Color
Hex	C5E82A
RGB	197, 232, 42
RGB Percent	77%, 91%, 16%
CMY	0.2259, 0.0887, 0.8371
CMYK	0.15, 0.00, 0.82, 0.09
HSL	71°, 81%, 54%
HSV	71°, 82%, 91%
XYZ	52.4961, 70.0064, 12.8915
YIQ	199.8750, 40.1300, -66.5100

Conversions

Conversions Part 2

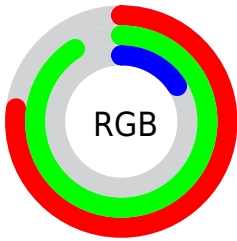
Format	Color
RYB	42, 232, 77
Decimal	12970026
CIELab	87.00, -33.73, 79.38
CIELCh	87, 86.248, 113.022
Yxy	70.0064, 0.3877, 0.5171
Android (android.graphics.Color)	4291160106 (0xFFC5E82A)
YUV	199.8750, -77.8324, -2.5214
Hunter-Lab	83.6698, -34.4277, 49.4337

Details

The CIELCh color **87, 86.248, 113.022** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **36, 110.146, 306.303**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 71.641, 104.701**, and **67, 75.479, 115.223** is the 20% darker color. If you saturate the color by 10%, you get **87, 90.541, 113.399**, and if you desaturate by 10%, it is **87, 79.547, 113.020**.

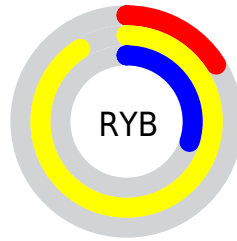
Distribution



Red (77%)

Green (91%)

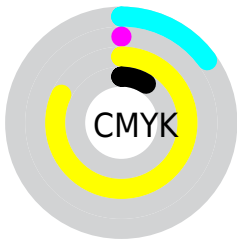
Blue (16%)



Red (16%)

Yellow (91%)

Blue (30%)

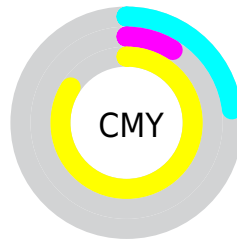


Cyan (15%)

Magenta (0%)

Yellow (82%)

Black (9%)



Cyan (23%)


Magenta (9%)


Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 86.248, 113.022 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, 86.248, 113.022 by changing the saturation by 10% instead.

 87, 86.248,
113.022

 87, 86.248,
113.022


 100, 86.248,
113.022

 77, 86.248,
113.022

 67, 86.248,
113.022

 57, 86.248,
113.022

 47, 86.248,
113.022

 37, 86.248,
113.022


 27, 86.248,
113.022

 17, 86.248,


113.022


 7, 86.248, 113.022


 0, 86.248, 113.022


 87, 86.248,
113.022

 87, 86.248,
113.022

 87, 90.541,
113.399


 87, 79.547,
113.020

 86, 92.405,
113.933

 88, 70.904,
113.305

 88, 60.886,
113.789

 89, 49.966,
114.397

 90, 38.482,

115.075

■ 90, 26.663,
115.785

■ 91, 14.658,
116.501

■ 92, 2.566, 117.206

■ 93, 9.545, 297.883

Harmonies

Complementary

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



87, 86.248, 113.022



36, 110.146, 306.303

Rectangle

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



87, 86.248, 113.022



87, 86.248, 163.022



87, 86.248, 293.022



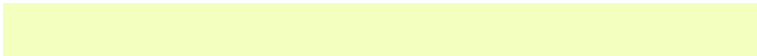
87, 86.248, 343.022

Sweetspot

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



87, 86.248, 113.024



98, 32.434, 115.571



55, 78.458, 41.749



52, 22.083, 115.320



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, 86.248, 113.024



94, 98.940, 113.912



82, 98.746, 131.926



49, 6.922, 116.690



69, 76.606, 113.769



21, 31.100, 113.408

Inverse Universe

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



36, 110.146, 306.303



34, 131.813, 306.989



47, 103.710, 317.635



45, 7.069, 298.051



23, 102.109, 307.132



3, 36.190, 302.054

Previews

White Background



This preview shows how the CIELCh color 87, 86.248, 113.022 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, 86.248, 113.022 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, 86.248, 113.022

Background



This preview shows how black text looks on a background with the CIELCh color 87, 86.248, 113.022.

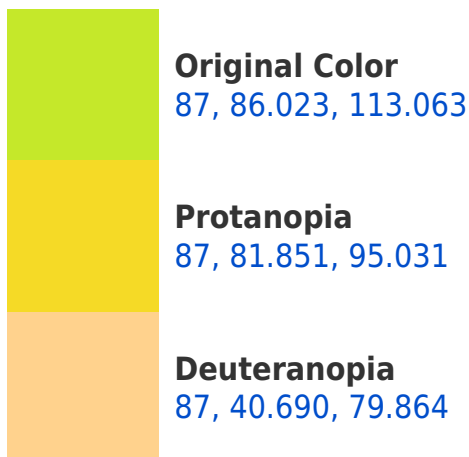


This preview shows how white text looks on a background with the CIELCh color 87, 86.248, 113.022.

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](#).

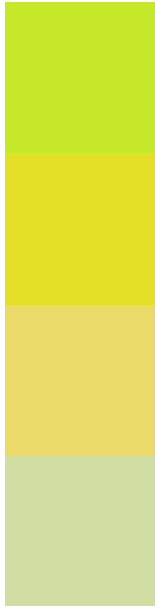
Dichromacy





Tritanopia
87, 8.913, 288.691

Trichromacy



Original Color
87, 86.023, 113.063

Protanomaly
87, 82.341, 101.771

Deuteranomaly
86, 57.320, 98.531

Tritanomaly
86, 30.929, 117.014

Monochromacy



Original Color
87, 86.023, 113.063

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 36.700, 115.127

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 86.248, 113.022 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(197, 232, 42)` looks like.

```
.text, #text, p{  
    color:rgb(197, 232, 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(197, 232, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 232, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 86.248, 113.022 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(197, 232, 42) }
```

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

```
.border{ border-color:rgb(197, 232, 42) }
```

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

Here you see how a box with a 4 pixel rgb(197, 232, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 232, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 232, 42);  
box-shadow:4px 4px 4px 4px rgb(197, 232,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 86.248, 113.022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 232, 42) }
```

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

```
.background{ background-color: rgb(197,  
232, 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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