

Converting Colors

CIELCh(88, 83.553, 112.980)

Have a look what the booklet for
CIELCh(88, 83.553, 112.980)
contains.

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Color

CIELCh(88, 83.553, 112.980)

Conversions

Conversions Part 1

Format	Color
Hex	CAEB37
RGB	202, 235, 55
RGB Percent	79%, 92%, 22%
CMY	0.2089, 0.0794, 0.7855
CMYK	0.14, 0.00, 0.77, 0.08
HSL	71°, 82%, 57%
HSV	71°, 77%, 92%
XYZ	54.6047, 72.0653, 14.6089
YIQ	204.6130, 38.1120, -62.9760

Conversions

Conversions Part 2

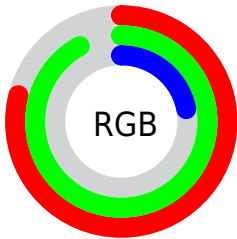
Format	Color
RYB	55, 235, 88
Decimal	13298487
CIELab	88.00, -32.62, 76.92
CIELCh	88, 83.553, 112.980
Yxy	72.0653, 0.3865, 0.5101
Android (android.graphics.Color)	4291488567 (0xFFCAEB37)
YUV	204.6130, -73.7592, -2.2916
Hunter-Lab	84.8913, -33.7429, 49.2207

Details

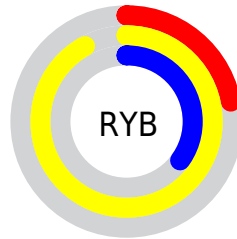
The CIELCh color **88, 83.553, 112.980** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **39, 104.677, 305.769**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 67.460, 105.017**, and **68, 76.169, 114.435** is the 20% darker color. If you saturate the color by 10%, you get **88, 89.230, 113.149**, and if you desaturate by 10%, it is **88, 75.670, 113.145**.

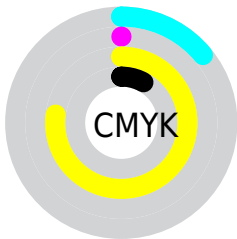
Distribution



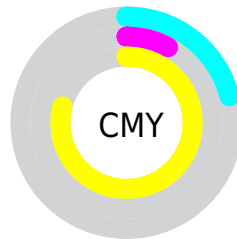
- Red (79%)
- Green (92%)
- Blue (22%)



- Red (22%)
- Yellow (92%)
- Blue (35%)



- Cyan (14%)
- Magenta (0%)
- Yellow (77%)
- Black (8%)





- Cyan (21%)
- Magenta (8%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 83.553, 112.980 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 88, 83.553, 112.980 by changing the saturation by 10% instead.


 88, 83.553,
112.980


 88, 83.553,
112.980


 100, 83.553,
112.980


 78, 83.553,
112.980

 68, 83.553,
112.980

 58, 83.553,
112.980

 48, 83.553,
112.980

 38, 83.553,
112.980

 28, 83.553,
112.980

 18, 83.553,

112.980

■ 8, 83.553, 112.980

■ 0, 83.553, 112.980

■ 88, 83.553,
112.980

■ 88, 83.553,
112.980

■ 88, 89.230,
113.149

■ 88, 75.670,
113.145

■ 87, 92.399,
113.708

■ 89, 66.140,
113.548


■ 87, 93.122,
113.941


■ 89, 55.496,
114.107

■ 90, 44.144,
114.760

■ 91, 32.359,

115.459

 92, 20.325,
116.175

 92, 8.163, 116.887

 93, 4.047, 297.577

 94, 10.656,
301.638

Harmonies

Complementary

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



88, 83.553, 112.980



39, 104.677, 305.769

Rectangle

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



88, 83.553, 112.980



88, 83.553, 162.980



88, 83.553, 292.980



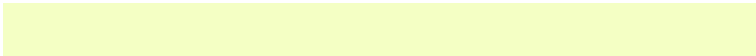
88, 83.553, 342.980

Sweetspot

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



88, 83.553, 112.982



98, 29.870, 115.716



57, 73.208, 41.117



52, 20.635, 115.457



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 83.553, 112.982



94, 97.242, 113.420



83, 95.323, 131.851



49, 6.922, 116.691



69, 76.606, 113.771



21, 31.100, 113.410

Inverse Universe

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



39, 104.677, 305.769



36, 127.939, 306.916



50, 100.139, 317.732



45, 7.069, 298.052



23, 102.108, 307.133



3, 36.190, 302.055

Previews

White Background



This preview shows how the CIELCh color 88, 83.553, 112.980 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 88, 83.553, 112.980 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 88, 83.553, 112.980

Background



This preview shows how black text looks on a background with the CIELCh color 88, 83.553, 112.980.



This preview shows how white text looks on a background with the CIELCh color 88, 83.553, 112.980.

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

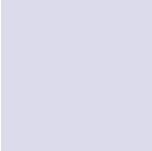
88, 83.553, 112.980

Protanopia

88, 79.504, 95.399

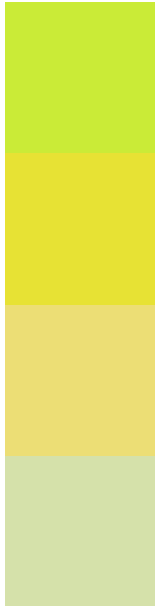
Deuteranopia

88, 36.023, 79.877



Tritanopia
88, 8.889, 290.918

Trichromacy



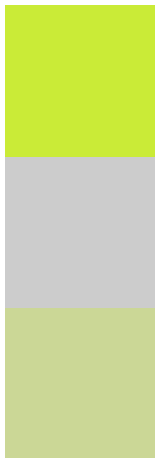
Original Color
88, 83.553, 112.980

Protanomaly
88, 80.057, 101.984

Deuteranomaly
88, 53.429, 99.410

Tritanomaly
87, 28.783, 117.066

Monochromacy



Original Color
88, 83.553, 112.980

Achromatopsia
82, 0.010, 296.813

Achromatomaly
84, 34.054, 115.272

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 83.553, 112.980 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(202, 235, 55)` looks like.

```
.text, #text, p{  
    color:rgb(202, 235, 55)  
}
```

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(202, 235, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 235, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 83.553, 112.980 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(202, 235, 55) }
```

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

```
.border{ border-color:rgb(202, 235, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 235, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 235, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 235, 55);  
box-shadow:4px 4px 4px 4px rgb(202, 235,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 83.553, 112.980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 235, 55) }
```

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

```
.background{ background-color: rgb(202,  
235, 55) }
```

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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