

Converting Colors

CIELCh(88, 78.722, 113.860)

Have a look what the booklet for
CIELCh(88, 78.722, 113.860)
contains.

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Color

CIELCh(88, 78.498, 113.619)

Conversions

Conversions Part 1

Format	Color
Hex	CAEA46
RGB	202, 234, 70
RGB Percent	79%, 92%, 27%
CMY	0.2066, 0.0811, 0.7242
CMYK	0.14, 0.00, 0.70, 0.08
HSL	72°, 80%, 60%
HSV	72°, 70%, 92%
XYZ	55.0669, 72.0653, 16.8554
YIQ	205.7360, 33.5720, -57.7880

Conversions

Conversions Part 2

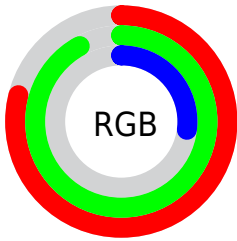
Format	Color
RYB	70, 234, 102
Decimal	13298246
CIELab	88.00, -31.45, 71.92
CIELCh	88, 78.498, 113.619
Yxy	72.0653, 0.3824, 0.5005
Android (android.graphics.Color)	4291488326 (0xFFCAEA46)
YUV	205.7360, -66.9178, -3.2765
Hunter-Lab	84.8913, -32.7710, 47.6517

Details

The CIELCh color **88, 78.498, 113.619** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **43, 95.641, 305.201**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 62.217, 105.416**, and **68, 75.773, 114.181** is the 20% darker color. If you saturate the color by 10%, you get **88, 85.736, 113.581**, and if you desaturate by 10%, it is **88, 69.432, 113.936**.

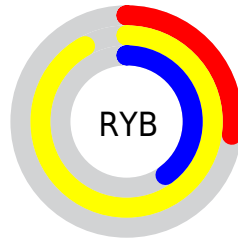
Distribution



Red (79%)

Green (92%)

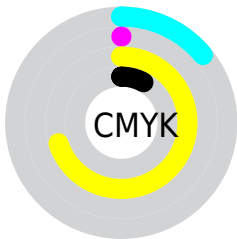
Blue (27%)



Red (27%)

Yellow (92%)

Blue (40%)

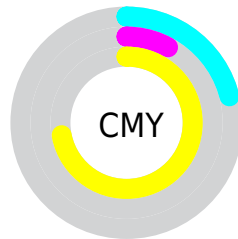


Cyan (14%)

Magenta (0%)

Yellow (70%)

Black (8%)



Cyan (21%)

Magenta (8%)

Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 78.498, 113.619 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, 78.498, 113.619 by changing the saturation by 10% instead.


 88, 78.498,
113.619

 88, 78.498,
113.619


 100, 78.498,
113.619


 78, 78.498,
113.619

 68, 78.498,
113.619

 58, 78.498,
113.619

 48, 78.498,
113.619

 38, 78.498,
113.619

 28, 78.498,
113.619

 18, 78.498,

113.619

■ 8, 78.498, 113.619

■ 0, 78.498, 113.619

■ 88, 78.498,
113.619

■ 88, 78.498,
113.619

■ 88, 85.736,
113.581

■ 88, 69.432,
113.936

■ 87, 90.628,
113.906

■ 89, 59.094,
114.436

■ 87, 93.240,
114.599


■ 90, 47.934,
115.049

■ 87, 93.243,
114.600


■ 90, 36.265,
115.723

■ 91, 24.297,

116.422

 92, 12.168,
117.122

 93, 0.029, 297.433

 94, 10.816,
299.366

 94, 11.170,
307.404

Harmonies

Complementary

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



88, 78.498, 113.619



43, 95.641, 305.201

Rectangle

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



88, 78.498, 113.619



88, 78.498, 163.619



88, 78.498, 293.619



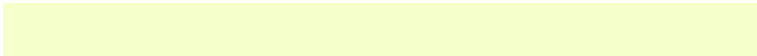
88, 78.498, 343.619

Sweetspot

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



88, 78.499, 113.621



98, 27.332, 116.344



59, 65.584, 40.314



52, 18.477, 116.149



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, 78.499, 113.621



94, 94.031, 113.675



84, 89.060, 131.909



49, 6.930, 117.158



69, 76.811, 114.422



20, 31.162, 114.013

Inverse Universe

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



43, 95.641, 305.201



39, 120.575, 306.648



52, 93.477, 317.748



45, 7.076, 298.490



23, 101.965, 307.227



3, 36.226, 302.327

Previews

White Background



This preview shows how the CIELCh color 88, 78.498, 113.619 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, 78.498, 113.619 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, 78.498, 113.619

Background



This preview shows how black text looks on a background with the CIELCh color 88, 78.498, 113.619.



This preview shows how white text looks on a background with the CIELCh color 88, 78.498, 113.619.

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](#).

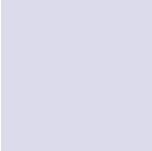
Dichromacy



Original Color
88, 78.498, 113.619

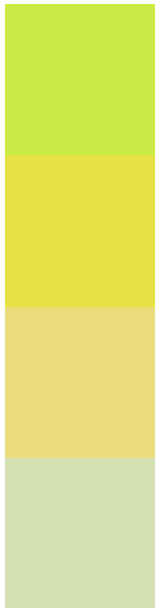
Protanopia
88, 74.501, 95.305

Deuteranopia
88, 35.560, 79.568



Tritanopia
88, 8.889, 290.918

Trichromacy



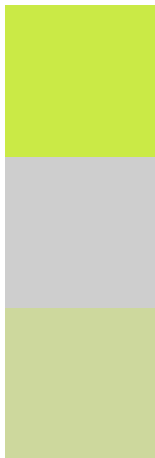
Original Color
88, 78.498, 113.619

Protanomaly
88, 75.046, 102.292

Deuteranomaly
87, 49.748, 98.805

Tritanomaly
88, 25.765, 118.333

Monochromacy



Original Color
88, 78.498, 113.619

Achromatopsia
83, 0.010, 296.813

Achromatomaly
84, 30.948, 115.553

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 78.498, 113.619 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, 234, 70)` looks like.

```
.text, #text, p{  
    color:rgb(202, 234, 70)  
}
```

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, 234, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 234, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 78.498, 113.619 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, 234, 70) }
```

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

```
.border{ border-color:rgb(202, 234, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 234, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 234, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 234, 70);  
box-shadow:4px 4px 4px 4px rgb(202, 234,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 78.498, 113.619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 234, 70) }
```

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

```
.background{ background-color: rgb(202,  
234, 70) }
```

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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