

Converting Colors

CIELCh(84, 89.437, 112.231)

Have a look what the booklet for
CIELCh(84, 89.437, 112.231)
contains.

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Color

CIELCh(84, 89.358, 112.364)

Conversions

Conversions Part 1

Format	Color
Hex	BDE000
RGB	189, 224, 0
RGB Percent	74%, 88%, 0%
CMY	0.2592, 0.1219, 1.0000
CMYK	0.16, 0.00, 1.00, 0.12
HSL	69°, 100%, 44%
HSV	69°, 100%, 88%
XYZ	47.5898, 64.0658, 9.8483
YIQ	187.9990, 51.0440, -77.0840

Conversions

Conversions Part 2

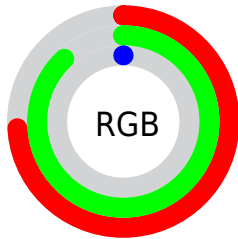
Format	Color
RYB	0, 224, 35
Decimal	12443648
CIELab	84.00, -34.00, 82.64
CIELCh	84, 89.358, 112.364
Yxy	64.0658, 0.3917, 0.5273
Android (android.graphics.Color)	4290633728 (0xFFBDE000)
YUV	187.9990, -92.6835, 0.8779
Hunter-Lab	80.0411, -33.9417, 48.7337

Details

The CIELCh color **84, 89.358, 112.364** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **29, 120.187, 306.862**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 78.662, 105.982**, and **64, 73.613, 116.285** is the 20% darker color. If you saturate the color by 10%, you get **84, 89.333, 112.370**, and if you desaturate by 10%, it is **84, 86.866, 111.835**.

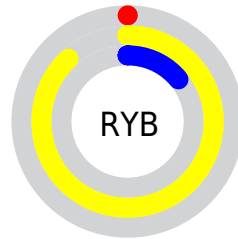
Distribution



Red (74%)

Green (88%)

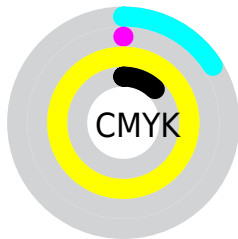
Blue (0%)



Red (0%)

Yellow (88%)

Blue (14%)

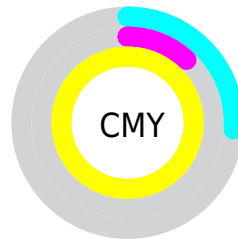


Cyan (16%)

Magenta (0%)

Yellow (100%)

Black (12%)



Cyan (26%)

Magenta (12%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 89.358, 112.364 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 84, 89.358, 112.364 by changing the saturation by 10% instead.


 84, 89.358,
112.364

 84, 89.358,
112.364

 100, 89.358,
112.364


 74, 89.358,
112.364

 64, 89.358,
112.364

 54, 89.358,
112.364

 44, 89.358,
112.364

 34, 89.358,
112.364

 24, 89.358,
112.364

 14, 89.358,


112.364

 4, 89.358, 112.364


 0, 89.358, 112.364


 84, 89.358,
112.364


 84, 89.358,
112.364


 84, 89.333,
112.370

 84, 86.866,
111.835

 85, 82.214,
111.632

 85, 75.298,
111.762

 85, 66.619,
112.145

 86, 56.714,

112.700

■ 86, 46.015,
113.361

■ 87, 34.824,
114.082

■ 88, 23.342,
114.827

■ 88, 11.701,
115.573

Harmonies

Complementary

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



84, 89.358, 112.364



29, 120.187, 306.862

Rectangle

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



84, 89.358, 112.364



84, 89.358, 162.364



84, 89.358, 292.364



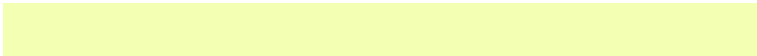
84, 89.358, 342.364

Sweetspot

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



84, 89.333, 112.370



98, 38.691, 114.066



48, 91.994, 41.920



52, 26.308, 113.755



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 89.333, 112.370



94, 98.577, 112.436



79, 103.548, 132.323



47, 6.656, 115.614



68, 74.574, 112.227



18, 28.228, 112.513

Inverse Universe

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



29, 120.187, 306.862



33, 132.671, 306.824



40, 109.687, 315.705



43, 6.800, 297.039



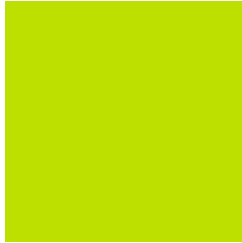
21, 100.245, 306.949



2, 31.909, 299.605

Previews

White Background



This preview shows how the CIELCh color 84, 89.358, 112.364 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 84, 89.358, 112.364 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 84, 89.358, 112.364

Background



This preview shows how black text looks on a background with the CIELCh color 84, 89.358, 112.364.

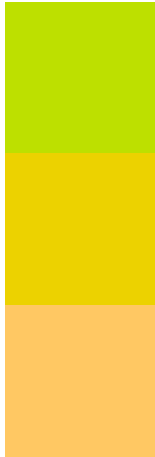


This preview shows how white text looks on a background with the CIELCh color 84, 89.358, 112.364.

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](#).

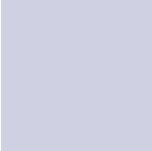
Dichromacy



Original Color
84, 89.358, 112.364

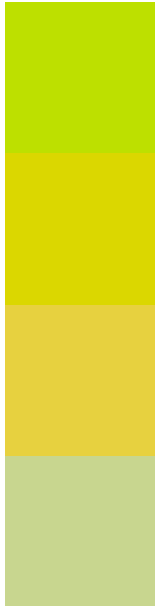
Protanopia
84, 84.540, 95.093

Deuteranopia
84, 57.614, 81.127



Tritanopia
84, 8.976, 288.720

Trichromacy



Original Color
84, 89.358, 112.364

Protanomaly
84, 85.212, 101.683

Deuteranomaly
83, 71.202, 96.229

Tritanomaly
83, 37.205, 115.603

Monochromacy



Original Color
84, 89.358, 112.364

Achromatopsia
76, 0.009, 296.813

Achromatomaly
78, 42.483, 113.541

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 89.358, 112.364 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(189, 224, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 224, 0)  
}
```

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(189, 224, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 224, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 89.358, 112.364 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(189, 224, 0) }
```

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

```
.border{ border-color:rgb(189, 224, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 224, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 224, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 224, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 224,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 89.358, 112.364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 224, 0) }
```

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

```
.background{ background-color: rgb(189,  
224, 0) }
```

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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