

Converting Colors

CIELCh(89, 69.798, 116.437)

Have a look what the booklet for
CIELCh(89, 69.798, 116.437)
contains.

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Color

CIELCh(89, 69.782, 116.445)

Conversions

Conversions Part 1

Format	Color
Hex	CAED61
RGB	202, 237, 97
RGB Percent	79%, 93%, 38%
CMY	0.2069, 0.0696, 0.6187
CMYK	0.15, 0.00, 0.59, 0.07
HSL	75°, 80%, 66%
HSV	75°, 59%, 93%
XYZ	56.9444, 74.1641, 22.6789
YIQ	210.5750, 24.0800, -50.9600

Conversions

Conversions Part 2

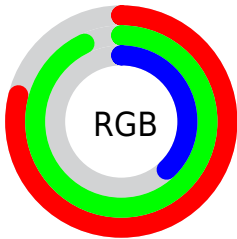
Format	Color
RYB	97, 237, 132
Decimal	13299041
CIELab	89.00, -31.08, 62.48
CIELCh	89, 69.782, 116.445
Yxy	74.1641, 0.3703, 0.4823
Android (android.graphics.Color)	4291489121 (0xFFCAED61)
YUV	210.5750, -55.9925, -7.5203
Hunter-Lab	86.1186, -32.6776, 44.6693

Details

The CIELCh color **89, 69.782, 116.445** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **51, 80.885, 305.179**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 51.169, 106.263**, and **69, 69.663, 116.428** is the 20% darker color. If you saturate the color by 10%, you get **88, 79.229, 116.189**, and if you desaturate by 10%, it is **90, 59.117, 116.894**.

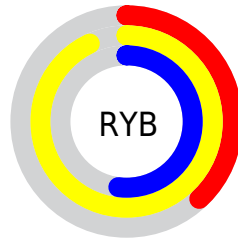
Distribution



Red (79%)

Green (93%)

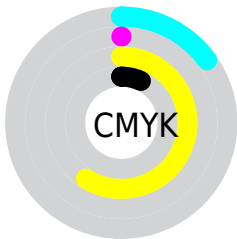
Blue (38%)



Red (38%)

Yellow (93%)

Blue (52%)

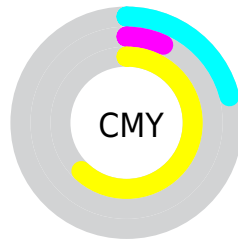


Cyan (15%)

Magenta (0%)

Yellow (59%)

Black (7%)



Cyan (21%)

Magenta (7%)


Yellow (62%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 69.782, 116.445 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 89, 69.782, 116.445 by changing the saturation by 10% instead.

 89, 69.782,
116.445

 89, 69.782,
116.445

 100, 69.782,
116.445

 79, 69.782,
116.445

 69, 69.782,
116.445

 59, 69.782,
116.445

 49, 69.782,
116.445

 39, 69.782,
116.445

 29, 69.782,
116.445

 19, 69.782,


116.445


 9, 69.782, 116.445


 0, 69.782, 116.445


 89, 69.782,
116.445


 89, 69.782,
116.445


 88, 79.229,
116.189


 90, 59.117,
116.894


 88, 86.902,
116.220

 90, 47.666,
117.454


 87, 92.265,
116.642

 91, 35.734,
118.072

 87, 95.246,
117.487

 92, 23.524,
118.712

 87, 95.488,

 93, 11.172,

117.577

119.351

■ 94, 1.232, 299.941

■ 95, 9.444, 304.649

■ 95, 10.150,
316.033

■ 96, 11.076,
324.799

Harmonies

Complementary

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



89, 69.782, 116.445



51, 80.885, 305.179

Rectangle

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



89, 69.782, 116.445



89, 69.782, 166.445



89, 69.782, 296.445



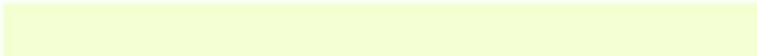
89, 69.782, 346.445

Sweetspot

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



89, 69.783, 116.447



98, 23.616, 118.773



66, 52.413, 43.142



52, 16.395, 118.585



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 69.783, 116.447



94, 85.696, 116.167



85, 79.248, 133.614



50, 7.100, 119.322



69, 78.709, 117.367



21, 32.826, 116.554

Inverse Universe

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



51, 80.885, 305.179



47, 103.499, 306.459



59, 81.928, 319.120



46, 7.243, 300.527



24, 102.274, 307.739



3, 38.578, 304.640

Previews

White Background



This preview shows how the CIELCh color 89, 69.782, 116.445 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 89, 69.782, 116.445 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 89, 69.782, 116.445

Background



This preview shows how black text looks on a background with the CIELCh color 89, 69.782, 116.445.

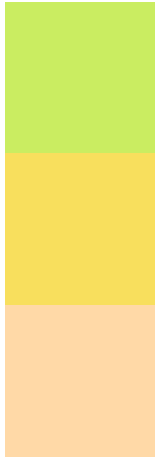


This preview shows how white text looks on a background with the CIELCh color 89, 69.782, 116.445.

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

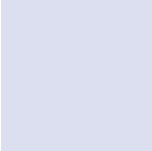
89, 69.782, 116.445

Protanopia

89, 65.223, 95.386

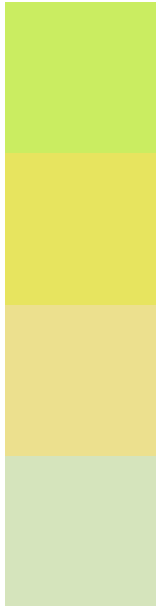
Deuteranopia

89, 30.237, 77.854



Tritanopia
89, 8.943, 282.028

Trichromacy



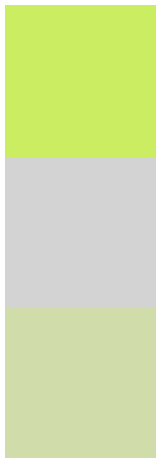
Original Color
89, 69.782, 116.445

Protanomaly
89, 65.409, 103.636

Deuteranomaly
88, 42.236, 100.023

Tritanomaly
89, 21.469, 123.684

Monochromacy



Original Color
89, 69.782, 116.445

Achromatopsia
85, 0.010, 296.813

Achromatomaly
86, 26.932, 118.656

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 69.782, 116.445 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, 237, 97)` looks like.

```
.text, #text, p{  
    color:rgb(202, 237, 97)  
}
```

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, 237, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 237, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 69.782, 116.445 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, 237, 97) }
```

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

```
.border{ border-color:rgb(202, 237, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 237, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 237, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 237, 97);  
box-shadow:4px 4px 4px 4px rgb(202, 237,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 69.782, 116.445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 237, 97) }
```

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

```
.background{ background-color: rgb(202,  
237, 97) }
```

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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