

Converting Colors

CIELCh(82, 68.660, 122.703)

Have a look what the booklet for
CIELCh(82, 68.660, 122.703)
contains.

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Color

CIELCh(82, 68.332, 122.594)

Conversions

Conversions Part 1

Format	Color
Hex	A8DC59
RGB	168, 220, 89
RGB Percent	66%, 86%, 35%
CMY	0.3408, 0.1368, 0.6506
CMYK	0.24, 0.00, 0.60, 0.14
HSL	84°, 65%, 61%
HSV	84°, 60%, 86%
XYZ	43.5968, 60.2982, 18.8135
YIQ	189.5180, 11.0590, -51.7650

Conversions

Conversions Part 2

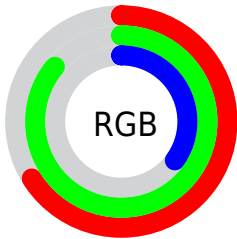
Format	Color
R_{YB}	89, 220, 141
Decimal	11066457
CIE _{Lab}	82.00, -36.81, 57.57
CIE _{LCh}	82, 68.332, 122.594
Yxy	60.2982, 0.3553, 0.4914
Android (android.graphics.Color)	4289256537 (0xFFA8DC59)
YUV	189.5180, -49.5554, -18.8713
Hunter-Lab	77.6519, -35.6740, 39.9916

Details

The CIELCh color **82, 68.332, 122.594** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **50, 76.726, 309.128**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 56.646, 117.540**, and **62, 68.614, 122.693** is the 20% darker color. If you saturate the color by 10%, you get **81, 77.654, 122.463**, and if you desaturate by 10%, it is **83, 57.891, 122.931**.

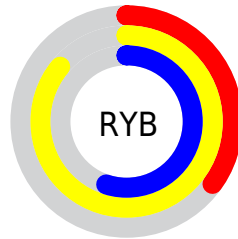
Distribution



Red (66%)

Green (86%)

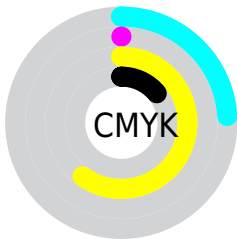
Blue (35%)



Red (35%)

Yellow (86%)

Blue (55%)

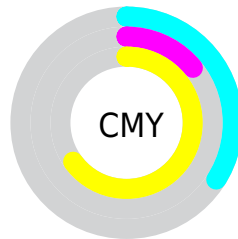


Cyan (24%)

Magenta (0%)

Yellow (60%)

Black (14%)



Cyan (34%)


Magenta (14%)

Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 68.332, 122.594 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 82, 68.332, 122.594 by changing the saturation by 10% instead.


 82, 68.332,
122.594

 82, 68.332,
122.594

 100, 68.332,
122.594

 72, 68.332,
122.594

 62, 68.332,
122.594

 52, 68.332,
122.594

 42, 68.332,
122.594

 32, 68.332,
122.594

 22, 68.332,
122.594

 12, 68.332,

122.594

■ 2, 68.332, 122.594

■ 0, 68.332, 122.594

■ 82, 68.332,
122.594

■ 82, 68.332,
122.594

■ 81, 77.654,
122.463

■ 83, 57.891,
122.931

■ 81, 85.342,
122.651

■ 84, 46.732,
123.382

■ 80, 90.907,
123.279

■ 85, 35.140,
123.888

■ 80, 94.347,
124.355

■ 86, 23.308,
124.411

■ 80, 94.495,

■ 87, 11.370,

124.408

124.930

■ 88, 0.585, 305.262

■ 89, 12.492,
305.869

■ 90, 19.250,
310.132

■ 91, 20.410,
318.287

Harmonies

Complementary

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



82, 68.332, 122.594



50, 76.726, 309.128

Rectangle

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



82, 68.332, 122.594



82, 68.332, 172.594



82, 68.332, 302.594



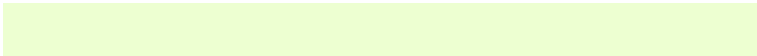
82, 68.332, 352.594

Sweetspot

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



82, 68.333, 122.595



98, 24.224, 124.483



65, 47.138, 56.614



52, 16.825, 124.330



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 68.333, 122.595



93, 88.728, 122.472



79, 78.394, 137.096



46, 6.760, 124.934



64, 78.919, 124.146



16, 28.375, 124.433

Inverse Universe

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



50, 76.726, 309.128



50, 102.460, 309.812



57, 78.771, 323.798



43, 6.872, 305.863



25, 95.444, 309.862



3, 30.589, 305.514

Previews

White Background



This preview shows how the CIELCh color 82, 68.332, 122.594 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 82, 68.332, 122.594 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 82, 68.332, 122.594

Background



This preview shows how black text looks on a background with the CIELCh color 82, 68.332, 122.594.

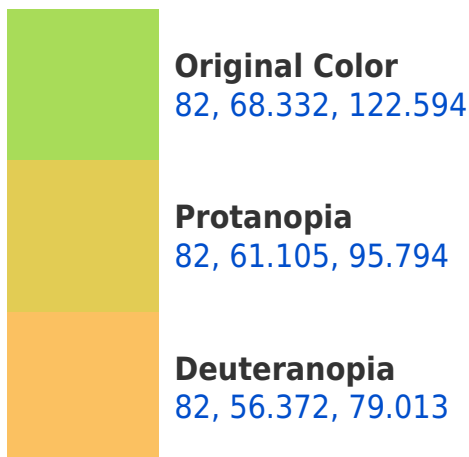


This preview shows how white text looks on a background with the CIELCh color 82, 68.332, 122.594.

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



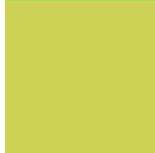


Tritanopia
82, 11.368, 251.795

Trichromacy



Original Color
82, 68.332, 122.594



Protanomaly
82, 61.882, 106.668



Deuteranomaly
81, 56.026, 97.236

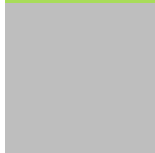


Tritanomaly
81, 22.985, 139.802

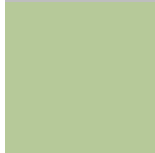
Monochromacy



Original Color
82, 68.332, 122.594



Achromatopsia
77, 0.009, 296.813



Achromatomaly
78, 26.457, 124.147

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 68.332, 122.594 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(168, 220, 89)` looks like.

```
.text, #text, p{  
    color:rgb(168, 220, 89)  
}
```

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(168, 220, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 220, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 68.332, 122.594 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(168, 220, 89) }
```

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

```
.border{ border-color:rgb(168, 220, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 220, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 220, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 220, 89);  
box-shadow:4px 4px 4px 4px rgb(168, 220,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 68.332, 122.594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 220, 89) }
```

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

```
.background{ background-color: rgb(168,  
220, 89) }
```

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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