

Converting Colors

CIELCh(81, 68.018, 122.704)

Have a look what the booklet for
CIELCh(81, 68.018, 122.704)
contains.

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Color

CIELCh(81, 67.990, 122.706)

Conversions

Conversions Part 1

Format	Color
Hex	A5D957
RGB	165, 217, 87
RGB Percent	65%, 85%, 34%
CMY	0.3520, 0.1480, 0.6579
CMYK	0.24, 0.00, 0.60, 0.15
HSL	84°, 63%, 60%
HSV	84°, 60%, 85%
XYZ	42.1751, 58.4711, 18.1307
YIQ	186.6320, 10.7380, -51.4540

Conversions

Conversions Part 2

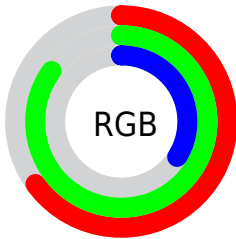
Format	Color
R_{YB}	87, 217, 139
Decimal	10869079
CIE _{Lab}	81.00, -36.74, 57.21
CIE _{LCh}	81, 67.990, 122.706
Yxy	58.4711, 0.3551, 0.4923
Android (android.graphics.Color)	4289059159 (0xFFA5D957)
YUV	186.6320, -49.1186, -18.9713
Hunter-Lab	76.4664, -35.3644, 39.4684

Details

The CIELCh color **81, 67.990, 122.706** 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 **49, 76.334, 309.230**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 57.817, 118.417**, and **61, 68.149, 122.842** is the 20% darker color. If you saturate the color by 10%, you get **80, 77.186, 122.584**, and if you desaturate by 10%, it is **82, 57.675, 123.037**.

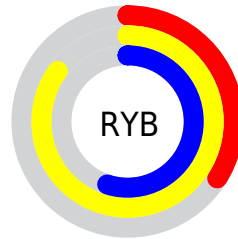
Distribution



Red (65%)

Green (85%)

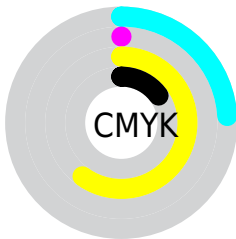
Blue (34%)



Red (34%)

Yellow (85%)

Blue (55%)

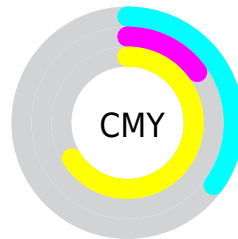


Cyan (24%)

Magenta (0%)

Yellow (60%)

Black (15%)



Cyan (35%)


Magenta (15%)


Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 67.990, 122.706 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 81, 67.990, 122.706 by changing the saturation by 10% instead.


 81, 67.990,
122.706


 81, 67.990,
122.706


 100, 67.990,
122.706


 71, 67.990,
122.706

 61, 67.990,
122.706

 51, 67.990,
122.706

 41, 67.990,
122.706

 31, 67.990,
122.706

 21, 67.990,
122.706

 11, 67.990,

122.706

■ 1, 67.990, 122.706

■ 0, 67.990, 122.706

■ 81, 67.990,
122.706

■ 81, 67.990,
122.706

■ 80, 77.186,
122.584

■ 82, 57.675,
123.037

■ 80, 84.755,
122.782

■ 83, 46.639,
123.485

■ 79, 90.213,
123.424

■ 84, 35.170,
123.988

■ 79, 93.609,
124.502

■ 85, 23.460,
124.509

■ 79, 93.657,

■ 86, 11.641,

124.519

125.026

■ 87, 0.195, 305.050

■ 88, 11.985,
305.962

■ 89, 20.665,
308.511

■ 90, 21.716,
316.172

Harmonies

Complementary

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



81, 67.990, 122.706



49, 76.334, 309.230

Rectangle

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



81, 67.990, 122.706



81, 67.990, 172.706



81, 67.990, 302.706



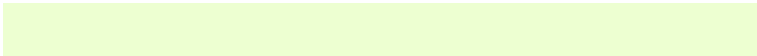
81, 67.990, 352.706

Sweetspot

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



81, 67.991, 122.707



98, 24.239, 124.597



65, 46.815, 58.187



52, 16.835, 124.444



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 67.991, 122.707



93, 89.720, 122.601



78, 78.280, 137.410



46, 6.764, 125.046



64, 78.998, 124.270



16, 28.401, 124.559

Inverse Universe

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



49, 76.334, 309.230



49, 103.736, 309.931



57, 78.444, 324.326



43, 6.876, 305.971



25, 95.386, 309.916



3, 30.604, 305.620

Previews

White Background



This preview shows how the CIELCh color 81, 67.990, 122.706 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 CIE LCh color 81, 67.990, 122.706 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 81, 67.990, 122.706

Background



This preview shows how black text looks on a background with the CIELCh color 81, 67.990, 122.706.



This preview shows how white text looks on a background with the CIELCh color 81, 67.990, 122.706.

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
81, 11.203, 248.641

Trichromacy



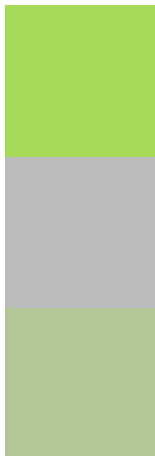
Original Color
81, 67.990, 122.706

Protanomaly
81, 61.499, 106.662

Deuteranomaly
80, 55.946, 98.055

Tritanomaly
81, 23.227, 140.532

Monochromacy



Original Color
81, 67.990, 122.706

Achromatopsia
76, 0.009, 296.813

Achromatomaly
77, 26.026, 124.474

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 67.990, 122.706 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(165, 217, 87)` looks like.

```
.text, #text, p{  
    color:rgb(165, 217, 87)  
}
```

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(165, 217, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 217, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 67.990, 122.706 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(165, 217, 87) }
```

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

```
.border{ border-color:rgb(165, 217, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 217, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 217, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 217, 87);  
box-shadow:4px 4px 4px 4px rgb(165, 217,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 67.990, 122.706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 217, 87) }
```

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

```
.background{ background-color: rgb(165,  
217, 87) }
```

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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