

Converting Colors

CIELCh(82, 66.462, 117.760)

Have a look what the booklet for
CIELCh(82, 66.462, 117.760)
contains.

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Color

CIELCh(82, 66.131, 117.609)

Conversions

Conversions Part 1

Format	Color
Hex	B5D957
RGB	181, 217, 87
RGB Percent	71%, 85%, 34%
CMY	0.2892, 0.1480, 0.6579
CMYK	0.17, 0.00, 0.60, 0.15
HSL	77°, 63%, 60%
HSV	77°, 60%, 85%
XYZ	45.7204, 60.2982, 18.2962
YIQ	191.4160, 20.2740, -48.0620

Conversions

Conversions Part 2

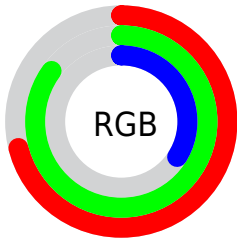
Format	Color
R_{YB}	87, 217, 123
Decimal	11917655
CIE _{Lab}	82.00, -30.65, 58.60
CIE _{LCh}	82, 66.131, 117.609
Yxy	60.2982, 0.3678, 0.4850
Android (android.graphics.Color)	4290107735 (0xFFB5D957)
YUV	191.4160, -51.4771, -9.1348
Hunter-Lab	77.6519, -30.7925, 40.3865

Details

The CIELCh color **82, 66.131, 117.609** 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 **47, 76.369, 305.924**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 56.695, 112.301**, and **62, 66.019, 117.640** is the 20% darker color. If you saturate the color by 10%, you get **81, 74.933, 117.398**, and if you desaturate by 10%, it is **83, 56.183, 118.020**.

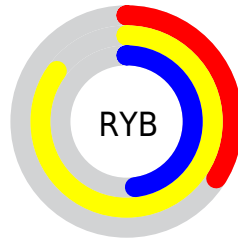
Distribution



Red (71%)

Green (85%)

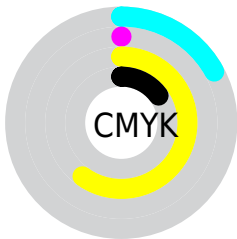
Blue (34%)



Red (34%)

Yellow (85%)

Blue (48%)

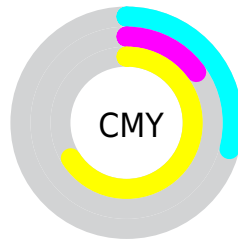


Cyan (17%)

Magenta (0%)

Yellow (60%)

Black (15%)



Cyan (29%)


Magenta (15%)


Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 66.131, 117.609 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, 66.131, 117.609 by changing the saturation by 10% instead.


 82, 66.131,
117.609


 82, 66.131,
117.609


 100, 66.131,
117.609


 72, 66.131,
117.609

 62, 66.131,
117.609

 52, 66.131,
117.609

 42, 66.131,
117.609

 32, 66.131,
117.609

 22, 66.131,
117.609

 12, 66.131,

117.609

■ 2, 66.131, 117.609

■ 0, 66.131, 117.609

■ 82, 66.131,
117.609

■ 82, 66.131,
117.609

■ 81, 74.933,
117.398

■ 83, 56.183,
118.020

■ 81, 82.076,
117.485

■ 83, 45.494,
118.546

■ 81, 87.074,
117.978

■ 84, 34.349,
119.132

■ 80, 89.984,
118.876

■ 85, 22.942,
119.743

■ 80, 90.025,

■ 86, 11.399,

118.891

120.353

■ 87, 0.191, 300.717

■ 88, 11.769,
301.501

■ 89, 20.207,
303.482

■ 89, 20.729,
309.083

Harmonies

Complementary

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



82, 66.131, 117.609



47, 76.369, 305.924

Rectangle

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



82, 66.131, 117.609



82, 66.131, 167.609



82, 66.131, 297.609



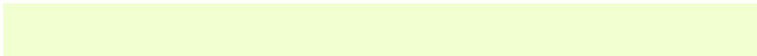
82, 66.131, 347.609

Sweetspot

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



82, 66.132, 117.611



98, 23.709, 119.846



61, 48.769, 45.964



52, 16.461, 119.666



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, 66.132, 117.611



94, 87.047, 117.388



79, 75.457, 134.435



46, 6.624, 120.377



65, 75.995, 118.680



17, 27.447, 119.018

Inverse Universe

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



47, 76.369, 305.924



47, 104.683, 307.114



54, 77.465, 320.166



42, 6.753, 301.512



23, 97.572, 308.079



3, 30.113, 301.759

Previews

White Background



This preview shows how the CIELCh color 82, 66.131, 117.609 looks on a white background.

Color Contrast Check

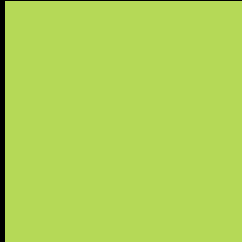
Large Text (above 18pt) WCAG AA × Fail

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, 66.131, 117.609 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, 66.131, 117.609

Background



This preview shows how black text looks on a background with the CIELCh color 82, 66.131, 117.609.

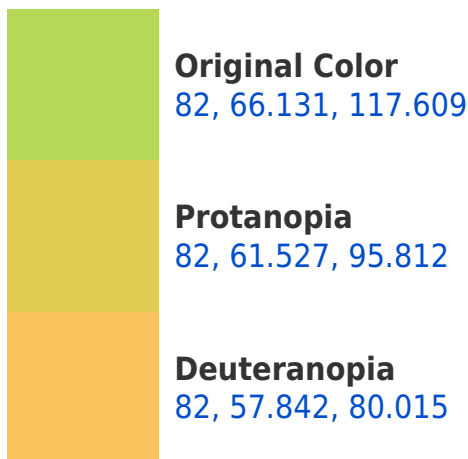


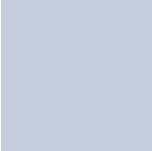
This preview shows how white text looks on a background with the CIELCh color 82, 66.131, 117.609.

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, 8.780, 274.756

Trichromacy



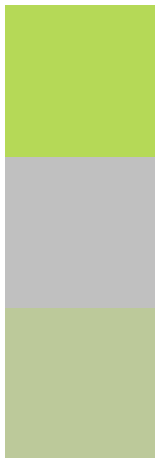
Original Color
82, 66.131, 117.609

Protanomaly
82, 61.866, 104.289

Deuteranomaly
81, 56.972, 94.646

Tritanomaly
82, 20.679, 127.791

Monochromacy



Original Color
82, 66.131, 117.609

Achromatopsia
78, 0.009, 296.813

Achromatomaly
79, 25.347, 119.520

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 66.131, 117.609 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(181, 217, 87)` looks like.

```
.text, #text, p{  
    color:rgb(181, 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(181, 217, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 217, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 66.131, 117.609 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(181, 217, 87) }
```

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

```
.border{ border-color:rgb(181, 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(181, 217, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 217, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 217, 87);  
box-shadow:4px 4px 4px 4px rgb(181, 217,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 66.131, 117.609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 217, 87) }
```

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

```
.background{ background-color: rgb(181,  
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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