

Converting Colors

CIELCh(81, 58.112, 127.243)

Have a look what the booklet for
CIELCh(81, 58.112, 127.243)
contains.

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Color

CIELCh(81, 58.163, 127.138)

Conversions

Conversions Part 1

Format	Color
Hex	A3D96F
RGB	163, 217, 111
RGB Percent	64%, 85%, 44%
CMY	0.3613, 0.1495, 0.5652
CMYK	0.25, 0.00, 0.49, 0.15
HSL	91°, 58%, 64%
HSV	91°, 49%, 85%
XYZ	42.7154, 58.4711, 24.0368
YIQ	188.7700, 1.8420, -44.4140

Conversions

Conversions Part 2

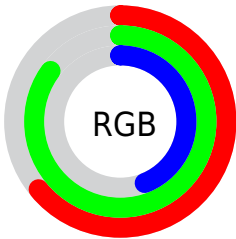
Format	Color
RYB	111, 217, 165
Decimal	10738031
CIELab	81.00, -35.12, 46.37
CIELCh	81, 58.163, 127.138
Yxy	58.4711, 0.3411, 0.4669
Android (android.graphics.Color)	4288928111 (0xFFA3D96F)
YUV	188.7700, -38.3406, -22.6003
Hunter-Lab	76.4664, -34.1030, 34.8890

Details

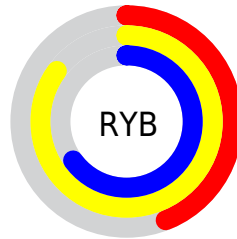
The CIELCh color **81, 58.163, 127.138** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **56, 62.414, 311.846**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 47.089, 123.265**, and **61, 58.506, 127.224** is the 20% darker color. If you saturate the color by 10%, you get **80, 68.922, 126.794**, and if you desaturate by 10%, it is **82, 46.726, 127.582**.

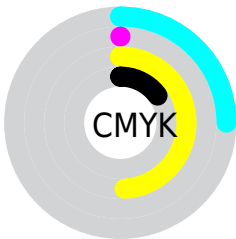
Distribution



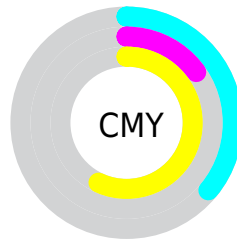
- Red (64%)
- Green (85%)
- Blue (44%)



- Red (44%)
- Yellow (85%)
- Blue (65%)



- Cyan (25%)
- Magenta (0%)
- Yellow (49%)
- Black (15%)





- Cyan (36%)
- Magenta (15%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 58.163, 127.138 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, 58.163, 127.138 by changing the saturation by 10% instead.


 81, 58.163,
127.138


 81, 58.163,
127.138


 100, 58.163,
127.138


 71, 58.163,
127.138

 61, 58.163,
127.138

 51, 58.163,
127.138

 41, 58.163,
127.138

 31, 58.163,
127.138

 21, 58.163,
127.138

 11, 58.163,

127.138

■ 1, 58.163, 127.138

■ 0, 58.163, 127.138

■ 81, 58.163,
127.138

■ 81, 58.163,
127.138

■ 80, 68.922,
126.794

■ 82, 46.726,
127.582

■ 79, 78.607,
126.637

■ 83, 34.888,
128.065

■ 79, 86.717,
126.786

■ 84, 22.843,
128.551

■ 78, 92.751,
127.370

■ 85, 10.726,
129.023

■ 78, 96.614,

■ 87, 1.369, 309.353

128.409

88, 13.376,
309.838

78, 96.995,
128.528

90, 21.520,
313.520

90, 23.200,
322.491

91, 23.884,
325.256

Harmonies

Complementary

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



81, 58.163, 127.138



56, 62.414, 311.846

Rectangle

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



81, 58.163, 127.138



81, 58.163, 177.138



81, 58.163, 307.138



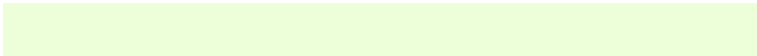
81, 58.163, 357.138

Sweetspot

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



81, 58.164, 127.139



98, 20.702, 128.730



71, 37.409, 69.290



52, 14.125, 128.628



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, 58.164, 127.139



93, 78.661, 126.777



79, 67.140, 140.468



46, 6.926, 128.997



63, 81.887, 128.279



16, 29.390, 128.749

Inverse Universe

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



56, 62.414, 311.846



59, 85.856, 312.349



63, 66.807, 326.992



43, 7.019, 309.808



27, 93.215, 312.168



3, 31.314, 309.784

Previews

White Background



This preview shows how the CIELCh color 81, 58.163, 127.138 looks on a white background.

Color Contrast Check

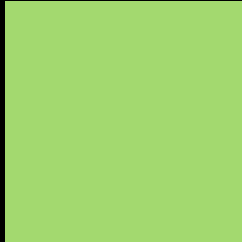
Large Text (above 18pt) WCAG AA × Fail

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, 58.163, 127.138 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, 58.163, 127.138

Background



This preview shows how black text looks on a background with the CIELCh color 81, 58.163, 127.138.



This preview shows how white text looks on a background with the CIELCh color 81, 58.163, 127.138.

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](#).

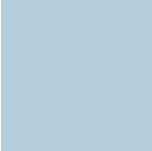
Dichromacy



Original Color
81, 58.163, 127.138

Protanopia
81, 50.241, 95.907

Deuteranopia
81, 45.544, 76.754



Tritanopia
81, 12.089, 243.843

Trichromacy



Original Color
81, 58.163, 127.138



Protanomaly
81, 51.221, 108.867



Deuteranomaly
80, 44.558, 98.535



Tritanomaly
81, 20.001, 150.128

Monochromacy



Original Color
81, 58.163, 127.138



Achromatopsia
77, 0.009, 296.813



Achromatomaly
78, 21.642, 129.136

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 58.163, 127.138 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(163, 217, 111)` looks like.

```
.text, #text, p{  
    color:rgb(163, 217, 111)  
}
```

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(163, 217, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 217, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 58.163, 127.138 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(163, 217, 111) }
```

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

```
.border{ border-color:rgb(163, 217, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 217, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 217, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 217, 111);  
box-shadow:4px 4px 4px 4px rgb(163, 217,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 58.163, 127.138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 217, 111) }
```

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

```
.background{ background-color: rgb(163,  
217, 111) }
```

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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