

Converting Colors

CIELCh(82, 78.510, 143.982)

Have a look what the booklet for
CIELCh(82, 78.510, 143.982)
contains.

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Color

CIELCh(82, 78.521, 143.943)

Conversions

Conversions Part 1

Format	Color
Hex	53E770
RGB	83, 231, 112
RGB Percent	33%, 91%, 44%
CMY	0.6735, 0.0933, 0.5600
CMYK	0.64, 0.00, 0.51, 0.09
HSL	132°, 76%, 62%
HSV	132°, 64%, 91%
XYZ	35.1622, 60.2982, 25.1723
YIQ	173.1820, -50.0090, -68.3850

Conversions

Conversions Part 2

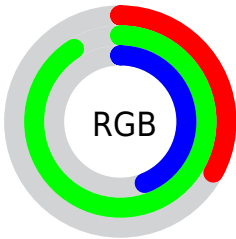
Format	Color
RYB	83, 207, 231
Decimal	5498736
CIELab	82.00, -63.48, 46.22
CIELCh	82, 78.521, 143.943
Yxy	60.2982, 0.2915, 0.4998
Android (android.graphics.Color)	4283688816 (0xFF53E770)
YUV	173.1820, -30.1627, -79.0896
Hunter-Lab	77.6519, -55.0629, 35.1364

Details

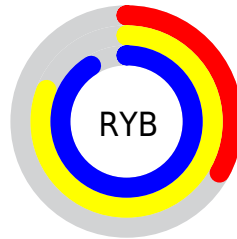
The CIELCh color **82, 78.521, 143.943** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **59, 77.014, 334.751**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 59.306, 146.131**, and **62, 76.844, 142.701** is the 20% darker color. If you saturate the color by 10%, you get **81, 88.084, 142.390**, and if you desaturate by 10%, it is **83, 67.729, 145.355**.

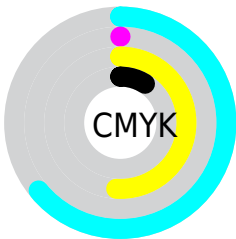
Distribution



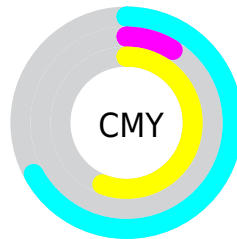
- Red (33%)
- Green (91%)
- Blue (44%)



- Red (33%)
- Yellow (81%)
- Blue (91%)



- Cyan (64%)
- Magenta (0%)
- Yellow (51%)
- Black (9%)




- Cyan (67%)
- Magenta (9%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 78.521, 143.943 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, 78.521, 143.943 by changing the saturation by 10% instead.


 82, 78.521,
143.943


 82, 78.521,
143.943


 100, 78.521,
143.943


 72, 78.521,
143.943

 62, 78.521,
143.943

 52, 78.521,
143.943

 42, 78.521,
143.943

 32, 78.521,
143.943

 22, 78.521,
143.943

 12, 78.521,

143.943

■ 2, 78.521, 143.943

■ 0, 78.521, 143.943

■ 82, 78.521,
143.943

■ 82, 78.521,
143.943

■ 81, 88.084,
142.390

■ 83, 67.729,
145.355

■ 81, 96.141,
140.748

■ 84, 55.999,
146.605

■ 81, 102.466,
139.117

■ 85, 43.624,
147.694

■ 80, 105.429,
138.238

■ 87, 30.869,
148.635

■ 89, 17.963,

149.450

■ 91, 5.089, 150.193

■ 93, 7.614, 330.680

■ 94, 14.853,
324.937

Harmonies

Complementary

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



82, 78.521, 143.943



59, 77.014, 334.751

Rectangle

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



82, 78.521, 143.943



82, 78.521, 193.943



82, 78.521, 323.943



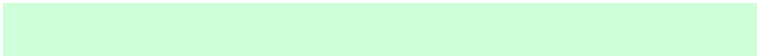
82, 78.521, 13.943

Sweetspot

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



82, 78.522, 143.943



96, 26.451, 149.048



87, 72.348, 113.234



51, 18.213, 148.809



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, 78.522, 143.943



89, 98.016, 141.834



83, 51.456, 167.255



47, 7.229, 149.787



63, 86.302, 138.513



17, 33.243, 142.453

Inverse Universe

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



59, 77.014, 334.751



61, 93.225, 335.840



57, 61.049, 4.907



45, 7.252, 330.935



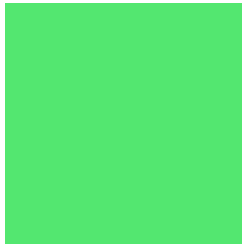
40, 75.997, 337.861



8, 32.616, 336.103

Previews

White Background



This preview shows how the CIELCh color 82, 78.521, 143.943 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, 78.521, 143.943 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, 78.521, 143.943

Background



This preview shows how black text looks on a background with the CIELCh color 82, 78.521, 143.943.

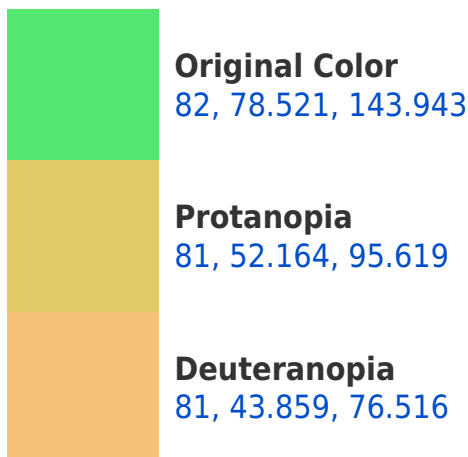


This preview shows how white text looks on a background with the CIELCh color 82, 78.521, 143.943.

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, 30.293, 215.021

Trichromacy



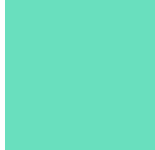
Original Color
82, 78.521, 143.943



Protanomaly
80, 56.946, 122.365



Deuteranomaly
80, 46.730, 116.642



Tritanomaly
82, 41.635, 171.608

Monochromacy



Original Color
82, 78.521, 143.943



Achromatopsia
71, 0.009, 296.813



Achromatomaly
74, 30.859, 148.591

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 78.521, 143.943 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(83, 231, 112)` looks like.

```
.text, #text, p{  
    color:rgb(83, 231, 112)  
}
```

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(83, 231, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 231, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 78.521, 143.943 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(83, 231, 112) }
```

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

```
.border{ border-color:rgb(83, 231, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 231, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 231, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 231, 112);  
box-shadow:4px 4px 4px 4px rgb(83, 231,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 78.521, 143.943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 231, 112) }
```

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

```
.background{ background-color: rgb(83, 231,  
112) }
```

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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