

Converting Colors

CIELCh(81, 71.524, 145.099)

Have a look what the booklet for
CIELCh(81, 71.524, 145.099)
contains.

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Color

CIELCh(81, 71.524, 145.099)

Conversions

Conversions Part 1

Format	Color
Hex	5DE379
RGB	93, 227, 121
RGB Percent	36%, 89%, 47%
CMY	0.6365, 0.1109, 0.5265
CMYK	0.59, 0.00, 0.47, 0.11
HSL	133°, 70%, 63%
HSV	133°, 59%, 89%
XYZ	35.3119, 58.4711, 27.4327
YIQ	174.8500, -45.8380, -61.3740

Conversions

Conversions Part 2

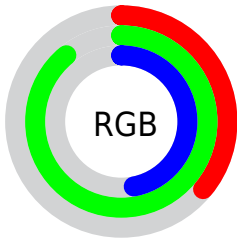
Format	Color
RYB	93, 204, 227
Decimal	6153081
CIELab	81.00, -58.66, 40.92
CIELCh	81, 71.524, 145.099
Yxy	58.4711, 0.2913, 0.4824
Android (android.graphics.Color)	4284343161 (0xFF5DE379)
YUV	174.8500, -26.5480, -71.7824
Hunter-Lab	76.4664, -51.3856, 32.2559

Details

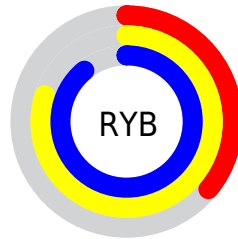
The CIELCh color **81, 71.524, 145.099** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **60, 70.737, 334.951**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 54.312, 147.488**, and **61, 71.224, 145.194** is the 20% darker color. If you saturate the color by 10%, you get **80, 81.494, 143.596**, and if you desaturate by 10%, it is **82, 60.514, 146.441**.

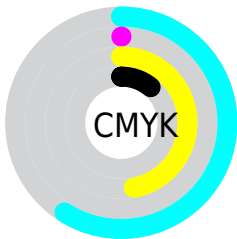
Distribution



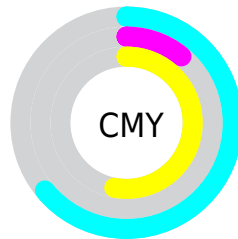
- Red (36%)
- Green (89%)
- Blue (47%)



- Red (36%)
- Yellow (80%)
- Blue (89%)



- Cyan (59%)
- Magenta (0%)
- Yellow (47%)
- Black (11%)





- Cyan (64%)
- Magenta (11%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 71.524, 145.099 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, 71.524, 145.099 by changing the saturation by 10% instead.


 81, 71.524,
145.099


 81, 71.524,
145.099


 100, 71.524,
145.099


 71, 71.524,
145.099


 61, 71.524,
145.099

 51, 71.524,
145.099

 41, 71.524,
145.099

 31, 71.524,
145.099

 21, 71.524,
145.099

 11, 71.524,

145.099

■ 1, 71.524, 145.099

■ 0, 71.524, 145.099

■ 81, 71.524,
145.099

■ 81, 71.524,
145.099

■ 80, 81.494,
143.596

■ 82, 60.514,
146.441

■ 80, 90.154,
141.964

■ 83, 48.741,
147.617

■ 79, 97.273,
140.272

■ 85, 36.473,
148.636

■ 79, 102.722,
138.662

■ 86, 23.950,
149.517


■ 79, 103.137,


■ 88, 11.372,

138.539

150.288

 90, 1.106, 330.600

 93, 13.369,
331.449

 93, 17.679,
325.038

Harmonies

Complementary

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



81, 71.524, 145.099



60, 70.737, 334.951

Rectangle

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



81, 71.524, 145.099



81, 71.524, 195.099



81, 71.524, 325.099



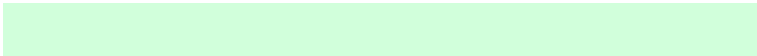
81, 71.524, 15.099

Sweetspot

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



81, 71.525, 145.099



96, 24.803, 149.598



86, 66.834, 114.201



51, 17.245, 149.357



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, 71.525, 145.099



89, 91.425, 143.223



82, 46.938, 169.219



46, 7.027, 150.264



63, 84.754, 138.827



16, 31.651, 143.305

Inverse Universe

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



60, 70.737, 334.951



63, 88.388, 335.966



58, 55.866, 4.847



44, 7.050, 331.420



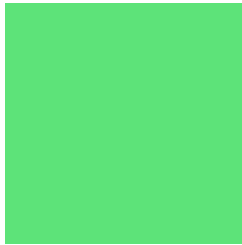
40, 74.446, 338.682



7, 31.183, 336.642

Previews

White Background



This preview shows how the CIELCh color 81, 71.524, 145.099 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 81, 71.524, 145.099 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, 71.524, 145.099

Background



This preview shows how black text looks on a background with the CIELCh color 81, 71.524, 145.099.

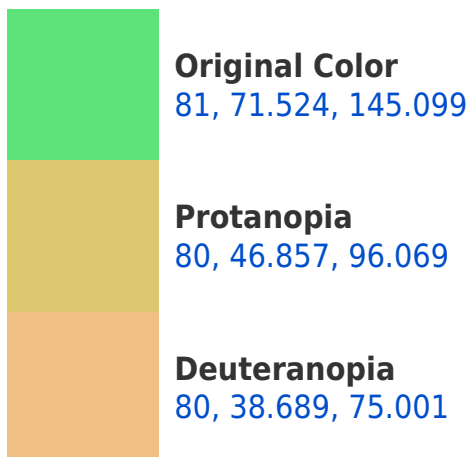


This preview shows how white text looks on a background with the CIELCh color 81, 71.524, 145.099.

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, 28.621, 217.379

Trichromacy



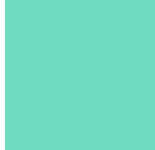
Original Color
81, 71.524, 145.099



Protanomaly
80, 51.110, 122.828



Deuteranomaly
79, 40.757, 116.866



Tritanomaly
81, 37.778, 174.336

Monochromacy



Original Color
81, 71.524, 145.099



Achromatopsia
71, 0.009, 296.813



Achromatomaly
74, 28.003, 148.835

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 71.524, 145.099 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(93, 227, 121)` looks like.

```
.text, #text, p{  
    color:rgb(93, 227, 121)  
}
```

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(93, 227, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 227, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 71.524, 145.099 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(93, 227, 121) }
```

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

```
.border{ border-color:rgb(93, 227, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 227, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 227, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 227, 121);  
box-shadow:4px 4px 4px 4px rgb(93, 227,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 71.524, 145.099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 227, 121) }
```

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

```
.background{ background-color: rgb(93, 227,  
121) }
```

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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