

Converting Colors

`RYB(81, 178, 226)`

Have a look what the booklet for
RYB(81, 178, 226) contains.

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Color

`RYB(81, 178, 226)`

Conversions

Conversions Part 1

Format	Color
Hex	51E299
RGB	81, 226, 153
RGB Percent	32%, 89%, 60%
CMY	0.6824, 0.1137, 0.4010
CMYK	0.64, 0.00, 0.32, 0.11
HSL	150°, 71%, 60%
HSV	150°, 64%, 89%
XYZ	36.3190, 58.4338, 39.3946
YIQ	174.3230, -62.9870, -53.4430

Conversions

Conversions Part 2

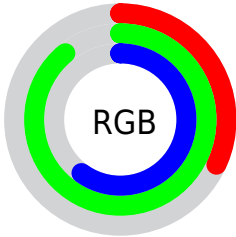
Format	Color
RYB	81, 178, 226
Decimal	5366425
CIELab	80.98, -55.19, 24.69
CIElCh	81, 60.458, 155.894
Yxy	58.4338, 0.2707, 0.4356
Android (android.graphics.Color)	4283556505 (0xFF51E299)
YUV	174.3230, -10.5122, -81.8443
Hunter-Lab	76.4420, -48.9647, 22.9541

Details

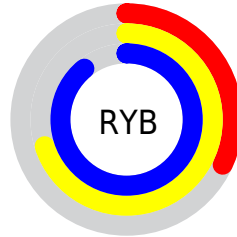
The RYB color **81, 178, 226** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **226, 81, 154**, and the grayscale version is **174, 174, 174**.

A 20% lighter version of the original color is **144, 214, 255**, and **0, 107, 170** is the 20% darker color. If you saturate the color by 10%, you get **58, 170, 226**, and if you desaturate by 10%, it is **104, 186, 226**.

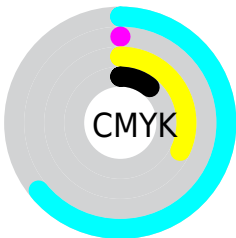
Distribution



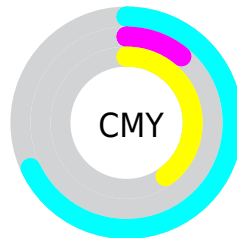
- Red (32%)
- Green (89%)
- Blue (60%)



- Red (32%)
- Yellow (70%)
- Blue (89%)



- Cyan (64%)
- Magenta (0%)
- Yellow (32%)
- Black (11%)




















- Cyan (68%)
- Magenta (11%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the RYB color 81, 178, 226 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 RYB color 81, 178, 226 by changing the saturation by 10% instead.


 81, 178, 226	 81, 178, 226
 255, 255, 255	 43, 143, 197
 144, 215, 255	 0, 107, 170
 174, 220, 255	 0, 92, 142
 204, 230, 255	 0, 80, 116
 235, 245, 255	 0, 67, 90
	 0, 58, 65
	 0, 42, 42
	 0, 7, 7
	 0, 0, 0


 81, 178, 226


 81, 178, 226

 58, 170, 226

 104, 186, 226

 36, 163, 226

 126, 193, 226

 13, 155, 226

 149, 201, 226

 0, 151, 226

 171, 208, 226

 194, 215, 226

 217, 223, 226

 239, 226, 233

 255, 226, 244

 255, 226, 255

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



105, 217, 158



81, 178, 226



0, 120, 230

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81, 178, 226



119, 171, 255



255, 167, 138

Complementary

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



81, 178, 226



226, 81, 154

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 152, 192



81, 178, 226



220, 182, 255

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81, 178, 226



0, 118, 255



255, 161, 248



236, 255, 97

Rectangle

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



81, 178, 226



0, 119, 249



255, 161, 248



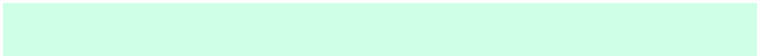
255, 157, 155

Sweetspot

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



81, 178, 226



207, 239, 255



81, 226, 151



98, 118, 128



0, 0, 0



128, 128, 128

Same Dimension

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



81, 178, 226



59, 190, 255



81, 154, 226



101, 108, 112



0, 118, 176



0, 32, 48

Inverse Universe

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



226, 81, 154



255, 59, 158



226, 81, 83



112, 101, 107



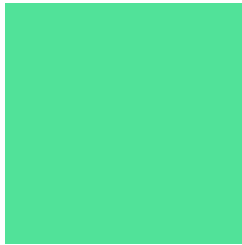
176, 0, 89



48, 0, 24

Previews

White Background



This preview shows how the RYB color 81, 178, 226 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 RYB color 81, 178, 226 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](#).

RGB 81, 178, 226 Background



This preview shows how black text looks on a background with the RGB color 81, 178, 226.

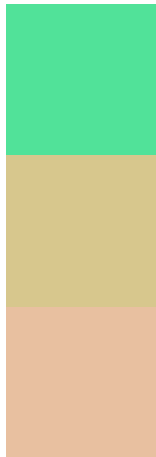


This preview shows how white text looks on a background with the RGB color 81, 178, 226.

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

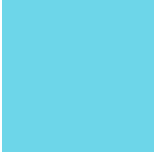
81, 178, 226

Protanopia

161, 215, 141

Deuteranopia

232, 218, 160



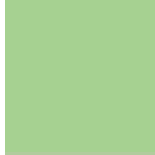
Tritanopia
109, 166, 233

Trichromacy



Original Color

81, 178, 226



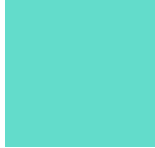
Protanomaly

145, 209, 188



Deuteranomaly

157, 204, 184



Tritanomaly

99, 164, 220

Monochromacy



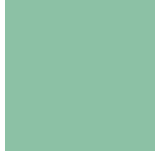
Original Color

81, 178, 226



Achromatopsia

174, 174, 174



Achromatomaly

140, 176, 193

CSS Examples

Text

The CSS property to change the color of the text to RYB 81, 178, 226 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(81, 226, 153) looks like.

```
.text, #text, p{  
    color:rgb(81, 226, 153)  
}
```

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(81, 226, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 226, 153) }
```

Border

The CSS property to change the border of an element to RYB 81, 178, 226 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(81, 226, 153) }
```

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

```
.border{ border-color:rgb(81, 226, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 226, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 226, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 226, 153);  
box-shadow:4px 4px 4px 4px rgb(81, 226,  
153) }
```

Background

The CSS property to change the background color of an element to RGB 81, 178, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 226, 153) }
```

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

```
.background{ background-color: rgb(81, 226,  
153) }
```

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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