

Converting Colors

`RYB(81, 230, 182)`

Have a look what the booklet for
RYB(81, 230, 182) contains.

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Color

$\text{RYB}(81, 230, 182)$

Conversions

Conversions Part 1

Format	Color
Hex	81E651
RGB	129, 230, 81
RGB Percent	51%, 90%, 32%
CMY	0.4941, 0.0980, 0.6824
CMYK	0.44, 0.00, 0.65, 0.10
HSL	101°, 75%, 61%
HSV	101°, 65%, 90%
XYZ	38.8353, 61.8548, 17.6769
YIQ	182.8150, -12.3670, -67.7510

Conversions

Conversions Part 2

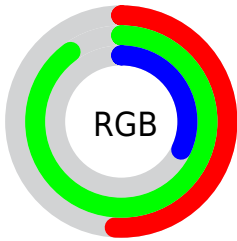
Format	Color
RYB	81, 230, 182
Decimal	8513105
CIELab	82.84, -55.00, 61.30
CIELCh	83, 82.356, 131.896
Yxy	61.8548, 0.3281, 0.5226
Android (android.graphics.Color)	4286703185 (0xFF81E651)
YUV	182.8150, -50.1948, -47.1958
Hunter-Lab	78.6478, -49.4928, 41.7274

Details

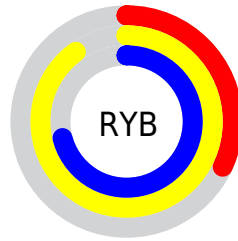
The RYB color **81, 230, 182** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **182, 81, 230**, and the grayscale version is **183, 183, 183**.

A 20% lighter version of the original color is **136, 255, 203**, and **17, 174, 123** is the 20% darker color. If you saturate the color by 10%, you get **58, 230, 175**, and if you desaturate by 10%, it is **104, 230, 189**.

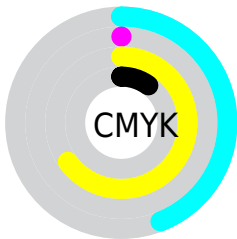
Distribution



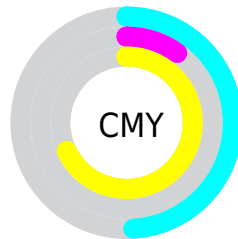
- Red (51%)
- Green (90%)
- Blue (32%)



- Red (32%)
- Yellow (90%)
- Blue (71%)



- Cyan (44%)
- Magenta (0%)
- Yellow (65%)
- Black (10%)




















- Cyan (49%)
- Magenta (10%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the RYB color 81, 230, 182 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, 230, 182 by changing the saturation by 10% instead.

 81, 230, 182	 81, 230, 182
 255, 255, 255	 52, 201, 154
 136, 255, 203	 17, 174, 123
 164, 255, 201	 0, 146, 115
 193, 255, 200	 0, 120, 120
 221, 255, 221	 0, 94, 94
 251, 255, 251	 0, 69, 69
	 0, 47, 47
	 0, 18, 18
	 0, 0, 0

 81, 230, 182

 81, 230, 182

 58, 230, 175

 104, 230, 189

 35, 230, 167

 127, 230, 197

 12, 230, 160

 150, 230, 204

 0, 230, 156

 173, 230, 212

 196, 230, 219

 219, 230, 226

 238, 230, 242

 254, 230, 255

 255, 230, 255

Harmonies

Analogous

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



24, 216, 20



81, 230, 182



0, 146, 240

Triad

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



81, 230, 182



0, 120, 255



255, 130, 179

Complementary

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



81, 230, 182



182, 81, 230

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, 139, 255



81, 230, 182



97, 161, 255

Square

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



81, 230, 182



0, 124, 255



249, 172, 255



255, 175, 106

Rectangle

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



81, 230, 182



0, 130, 242



249, 172, 255



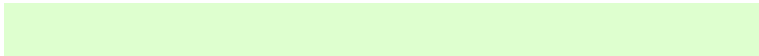
255, 129, 205

Sweetspot

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



81, 230, 182



207, 255, 240



156, 230, 81



98, 128, 118



0, 0, 0



128, 128, 128

Same Dimension

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



81, 230, 182



56, 255, 191



81, 209, 230



103, 115, 111



0, 179, 121



0, 51, 35

Inverse Universe

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



182, 81, 230



191, 56, 255



230, 81, 205



111, 103, 115



121, 0, 179



35, 0, 51

Previews

White Background



This preview shows how the RYB color 81, 230, 182 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, 230, 182 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](#).

RYB 81, 230, 182 Background



This preview shows how black text looks on a background with the RYB color 81, 230, 182.

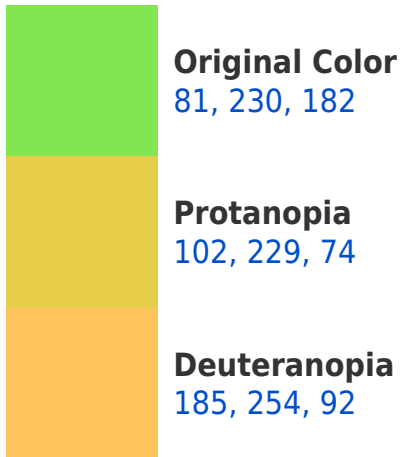


This preview shows how white text looks on a background with the RYB color 81, 230, 182.

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
154, 188, 232

Trichromacy



Original Color

81, 230, 182



Protanomaly

77, 214, 98



Deuteranomaly

89, 209, 88



Tritanomaly

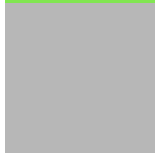
145, 198, 220

Monochromacy



Original Color

81, 230, 182



Achromatopsia

183, 183, 183



Achromatomaly

146, 200, 183

CSS Examples

Text

The CSS property to change the color of the text to RYB 81, 230, 182 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(129, 230, 81)` looks like.

```
.text, #text, p{  
    color:rgb(129, 230, 81)  
}
```

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(129, 230, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 230, 81) }
```

Border

The CSS property to change the border of an element to RYB 81, 230, 182 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(129, 230, 81) }
```

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

```
.border{ border-color:rgb(129, 230, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 230, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 230, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 230, 81);  
box-shadow:4px 4px 4px 4px rgb(129, 230,  
81) }
```

Background

The CSS property to change the background color of an element to RYB 81, 230, 182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 230, 81) }
```

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

```
.background{ background-color: rgb(129,  
230, 81) }
```

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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