

Converting Colors

`RYB(81, 237, 192)`

Have a look what the booklet for
RYB(81, 237, 192) contains.

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Color

RYB(81, 237, 192)

Conversions

Conversions Part 1

Format	Color
Hex	7EED51
RGB	126, 237, 81
RGB Percent	49%, 93%, 32%
CMY	0.5059, 0.0706, 0.6824
CMYK	0.47, 0.00, 0.66, 0.07
HSL	103°, 81%, 62%
HSV	103°, 66%, 93%
XYZ	40.3736, 65.5981, 18.3184
YIQ	186.0270, -16.0800, -72.0480

Conversions

Conversions Part 2

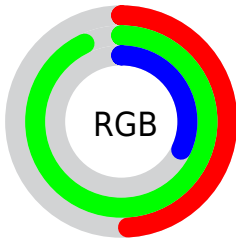
Format	Color
RYB	81, 237, 192
Decimal	8318289
CIELab	84.79, -58.59, 63.37
CIELCh	85, 86.301, 132.755
Yxy	65.5981, 0.3248, 0.5278
Android (android.graphics.Color)	4286508369 (0xFF7EED51)
YUV	186.0270, -51.7783, -52.6437
Hunter-Lab	80.9926, -52.7576, 43.2850

Details

The RYB color **81, 237, 192** is a dark color, and the websafe version is hex **99FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **192, 81, 237**, and the grayscale version is **187, 187, 187**.

A 20% lighter version of the original color is **137, 255, 206**, and **14, 180, 131** is the 20% darker color. If you saturate the color by 10%, you get **57, 237, 185**, and if you desaturate by 10%, it is **105, 237, 199**.

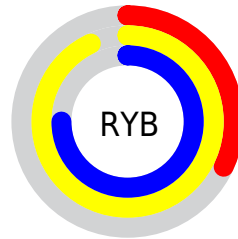
Distribution



Red (49%)

Green (93%)

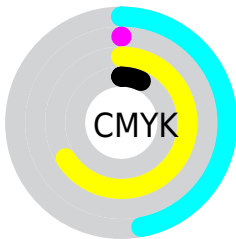
Blue (32%)



Red (32%)

Yellow (93%)

Blue (75%)

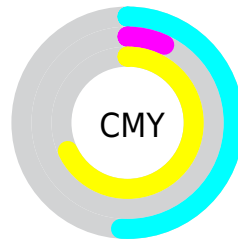


Cyan (47%)

Magenta (0%)

Yellow (66%)

Black (7%)



Cyan (51%)


















Magenta (7%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the RYB color 81, 237, 192 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, 237, 192 by changing the saturation by 10% instead.

 81, 237, 192	 81, 237, 192
 255, 255, 255	 52, 208, 164
 137, 255, 206	 14, 180, 131
 165, 255, 204	 0, 153, 135
 193, 255, 202	 0, 126, 126
 222, 255, 222	 0, 100, 100
 252, 255, 252	 0, 75, 75
	 0, 52, 52
	 0, 25, 25
	 0, 0, 0

 81, 237, 192

 81, 237, 192

 57, 237, 185

 105, 237, 199

 34, 237, 179

 128, 237, 205

 10, 237, 172

 152, 237, 212

 0, 237, 169

 176, 237, 220

 199, 237, 226

 223, 237, 233

 244, 237, 247

 255, 237, 255

Harmonies

Analogous

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



0, 219, 0



81, 237, 192



0, 150, 247

Triad

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



81, 237, 192



0, 122, 255



255, 130, 180

Complementary

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



81, 237, 192



192, 81, 237

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, 237, 192



99, 164, 255

Square

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



81, 237, 192



0, 125, 255



255, 174, 255



255, 183, 104

Rectangle

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



81, 237, 192



0, 133, 249



255, 174, 255



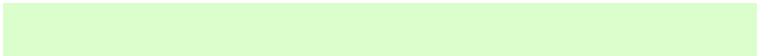
255, 129, 208

Sweetspot

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



81, 237, 192



204, 255, 240



148, 237, 81



97, 128, 119



0, 0, 0



128, 128, 128

Same Dimension

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



81, 237, 192



54, 255, 197



81, 211, 237



106, 117, 114



0, 181, 129



0, 54, 39

Inverse Universe

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



192, 81, 237



197, 54, 255



237, 81, 206



114, 106, 117



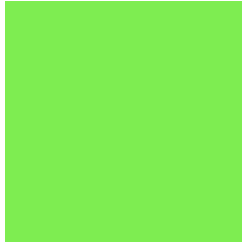
129, 0, 181



38, 0, 54

Previews

White Background



This preview shows how the RYB color 81, 237, 192 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, 237, 192 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, 237, 192 Background



This preview shows how black text looks on a background with the RYB color 81, 237, 192.

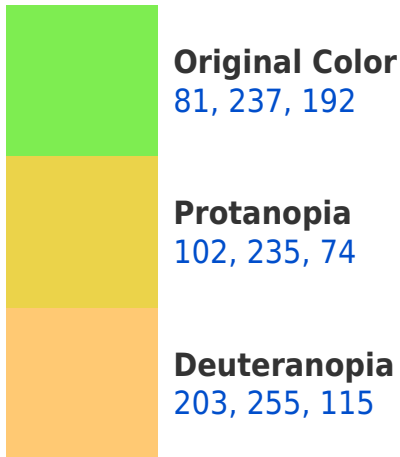



This preview shows how white text looks on a background with the RYB color 81, 237, 192.

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](#).

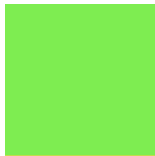
Dichromacy





Tritanopia
154, 192, 239

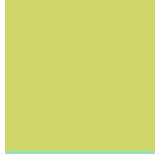
Trichromacy



Original Color
81, 237, 192



Protanomaly
77, 220, 102



Deuteranomaly
103, 214, 109

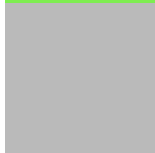


Tritanomaly
144, 201, 227

Monochromacy



Original Color
81, 237, 192



Achromatopsia
186, 186, 186



Achromatomaly
148, 205, 189

CSS Examples

Text

The CSS property to change the color of the text to RYB 81, 237, 192 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(126, 237, 81)` looks like.

```
.text, #text, p{  
    color:rgb(126, 237, 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(126, 237, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 237, 81) }
```

Border

The CSS property to change the border of an element to RYB 81, 237, 192 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(126, 237, 81) }
```

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

```
.border{ border-color:rgb(126, 237, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 237, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 237, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 237, 81);  
box-shadow:4px 4px 4px 4px rgb(126, 237,  
81) }
```

Background

The CSS property to change the background color of an element to RGB 81, 237, 192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 237, 81) }
```

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

```
.background{ background-color: rgb(126,  
237, 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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