

Converting Colors

`RYB(83, 249, 166)`

Have a look what the booklet for
RYB(83, 249, 166) contains.

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Color

R_YB(83, 249, 166)

Conversions

Conversions Part 1

Format	Color
Hex	A6F953
RGB	166, 249, 83
RGB Percent	65%, 98%, 33%
CMY	0.3490, 0.0235, 0.6745
CMYK	0.33, 0.00, 0.67, 0.02
HSL	90°, 93%, 65%
HSV	90°, 67%, 98%
XYZ	51.1629, 76.4829, 20.2497
YIQ	205.2590, 3.8180, -69.2220

Conversions

Conversions Part 2

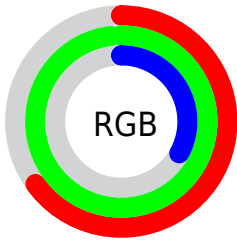
Format	Color
RYB	83, 249, 166
Decimal	10942803
CIELab	90.08, -50.52, 68.74
CIElCh	90, 85.310, 126.314
Yxy	76.4829, 0.3459, 0.5171
Android (android.graphics.Color)	4289132883 (0xFFA6F953)
YUV	205.2590, -60.2737, -34.4301
Hunter-Lab	87.4545, -48.6187, 47.4898

Details

The RYB color **83, 249, 166** 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 **166, 83, 249**, and the grayscale version is **206, 206, 206**.

A 20% lighter version of the original color is **140, 255, 170**, and **11, 192, 95** is the 20% darker color. If you saturate the color by 10%, you get **58, 249, 153**, and if you desaturate by 10%, it is **108, 249, 179**.

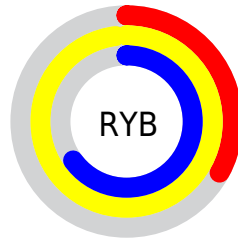
Distribution



Red (65%)

Green (98%)

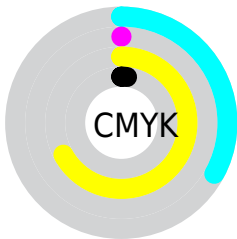
Blue (33%)



Red (33%)

Yellow (98%)

Blue (65%)

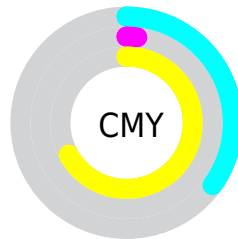


Cyan (33%)

Magenta (0%)

Yellow (67%)

Black (2%)



Cyan (35%)
















Magenta (2%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the RYB color 83, 249, 166 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 83, 249, 166 by changing the saturation by 10% instead.

 83, 249, 166	 83, 249, 166
255, 255, 255	 53, 220, 136
 140, 255, 170	 11, 192, 95
 168, 255, 168	 0, 164, 86
 197, 255, 197	 0, 138, 93
 226, 255, 226	 0, 111, 111
	 0, 86, 86
	 0, 62, 62
	 0, 40, 40
	 0, 1, 1

■ 83, 249, 166

■ 83, 249, 166

■ 58, 249, 153

■ 108, 249, 179

■ 33, 249, 141

■ 133, 249, 191

■ 8, 249, 128

■ 158, 249, 204

■ 0, 249, 124

■ 183, 249, 216

■ 208, 249, 229

■ 232, 249, 240

■ 253, 249, 255

■ 255, 249, 255

Harmonies

Analogous

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



63, 252, 36



83, 249, 166



0, 158, 255

Triad

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



83, 249, 166



0, 127, 255



255, 147, 213

Complementary

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



83, 249, 166



166, 83, 249

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, 162, 255



83, 249, 166



45, 143, 255

Square

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



83, 249, 166



0, 128, 255



251, 197, 255



255, 176, 134

Rectangle

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



83, 249, 166



0, 139, 255



251, 197, 255



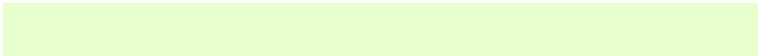
255, 148, 240

Sweetspot

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



83, 249, 166



204, 255, 229



249, 249, 83



97, 128, 113



0, 0, 0



128, 128, 128

Same Dimension

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



83, 249, 166



51, 255, 153



83, 249, 249



112, 125, 118



0, 189, 95



0, 61, 30

Inverse Universe

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



166, 83, 249



153, 51, 255



249, 83, 249



119, 112, 125



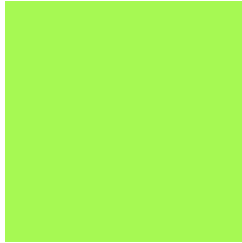
94, 0, 189



31, 0, 61

Previews

White Background



This preview shows how the RYB color 83, 249, 166 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 83, 249, 166 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](#).

R Y B 83, 249, 166 Background



This preview shows how black text looks on a background with the RYB color 83, 249, 166.

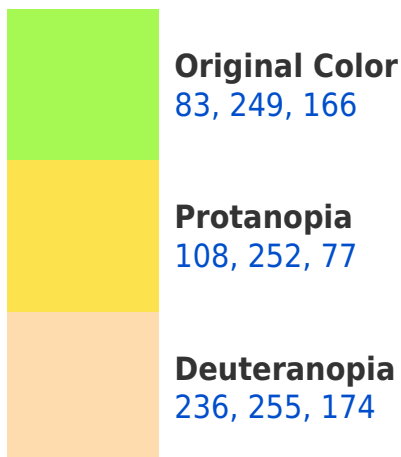


This preview shows how white text looks on a background with the RYB color 83, 249, 166.

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





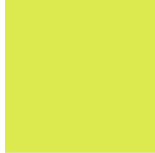
Tritanopia
189, 215, 251

Trichromacy



Original Color

83, 249, 166



Protanomaly

79, 234, 92



Deuteranomaly

141, 231, 149



Tritanomaly

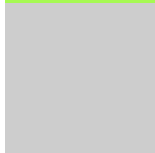
181, 231, 239

Monochromacy



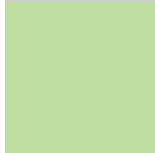
Original Color

83, 249, 166



Achromatopsia

205, 205, 205



Achromatomaly

161, 221, 191

CSS Examples

Text

The CSS property to change the color of the text to RYB 83, 249, 166 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(166, 249, 83)` looks like.

```
.text, #text, p{  
    color:rgb(166, 249, 83)  
}
```

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(166, 249, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 249, 83) }
```

Border

The CSS property to change the border of an element to RYB 83, 249, 166 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(166, 249, 83) }
```

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

```
.border{ border-color:rgb(166, 249, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 249, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 249, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 249, 83);  
box-shadow:4px 4px 4px 4px rgb(166, 249,  
83) }
```

Background

The CSS property to change the background color of an element to RYB 83, 249, 166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 249, 83) }
```

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

```
.background{ background-color: rgb(166,  
249, 83) }
```

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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