

Converting Colors

`RYB(62, 246, 181)`

Have a look what the booklet for
RYB(62, 246, 181) contains.

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Color

RYB(62, 246, 181)

Conversions

Conversions Part 1

Format	Color
Hex	7FF63E
RGB	127, 246, 62
RGB Percent	50%, 96%, 24%
CMY	0.5020, 0.0353, 0.7569
CMYK	0.48, 0.00, 0.75, 0.04
HSL	99°, 91%, 60%
HSV	99°, 75%, 96%
XYZ	42.5777, 70.7714, 15.9736
YIQ	189.4430, -11.8600, -82.4520

Conversions

Conversions Part 2

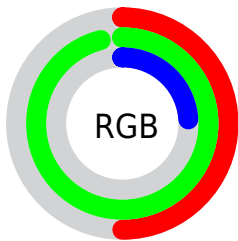
Format	Color
RYB	62, 246, 181
Decimal	8386110
CIELab	87.37, -63.00, 72.75
CIELCh	87, 96.237, 130.893
Yxy	70.7714, 0.3292, 0.5472
Android (android.graphics.Color)	4286576190 (0xFF7FF63E)
YUV	189.4430, -62.8294, -54.7625
Hunter-Lab	84.1257, -56.8777, 47.6302

Details

The RYB color **62, 246, 181** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **181, 62, 246**, and the grayscale version is **190, 190, 190**.

A 20% lighter version of the original color is **121, 255, 188**, and **0, 189, 128** is the 20% darker color. If you saturate the color by 10%, you get **37, 246, 172**, and if you desaturate by 10%, it is **87, 246, 190**.

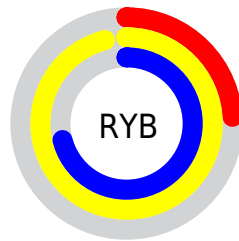
Distribution



Red (50%)

Green (96%)

Blue (24%)



Red (24%)

Yellow (96%)

Blue (71%)

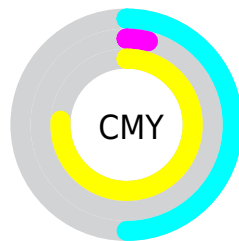


Cyan (48%)

Magenta (0%)

Yellow (75%)

Black (4%)



Cyan (50%)


















Magenta (4%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the RYB color 62, 246, 181 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 62, 246, 181 by changing the saturation by 10% instead.

 62, 246, 181	 62, 246, 181
 255, 255, 255	 24, 217, 146
 121, 255, 188	 0, 189, 128
 150, 255, 186	 0, 161, 159
 179, 255, 185	 0, 134, 134
 208, 255, 208	 0, 107, 107
 238, 255, 238	 0, 82, 82
	 0, 58, 58
	 0, 33, 33
	 0, 0, 0

■ 62, 246, 181

■ 62, 246, 181

■ 37, 246, 172

■ 87, 246, 190

■ 13, 246, 164

■ 111, 246, 198

■ 0, 246, 159

■ 136, 246, 207

■ 160, 246, 215

■ 185, 246, 224

■ 210, 246, 234

■ 234, 246, 242

■ 254, 246, 255

■ 255, 246, 255

Harmonies

Analogous

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



6, 231, 0



62, 246, 181



0, 159, 255

Triad

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



62, 246, 181



0, 125, 255



255, 121, 190

Complementary

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



62, 246, 181



181, 62, 246

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, 135, 255



62, 246, 181



0, 118, 255

Square

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



62, 246, 181



0, 128, 255



255, 178, 255



255, 173, 103

Rectangle

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



62, 246, 181



0, 137, 255



255, 178, 255



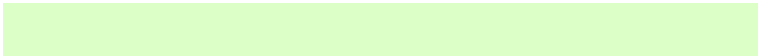
255, 120, 220

Sweetspot

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



62, 246, 181



199, 255, 235



167, 246, 62



94, 128, 116



0, 0, 0



128, 128, 128

Same Dimension

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



62, 246, 181



25, 255, 173



62, 224, 246



110, 122, 118



0, 186, 120



0, 59, 38

Inverse Universe

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



181, 62, 246



174, 25, 255



246, 62, 221



118, 110, 122



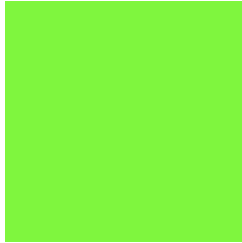
120, 0, 186



38, 0, 59

Previews

White Background



This preview shows how the RYB color 62, 246, 181 looks on a white background.

Color Contrast Check

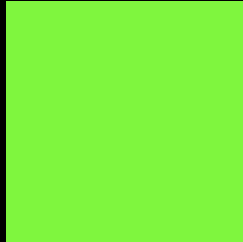
Large Text (above 18pt) WCAG AA × Fail

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 62, 246, 181 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 62, 246, 181 Background



This preview shows how black text looks on a background with the RYB color 62, 246, 181.

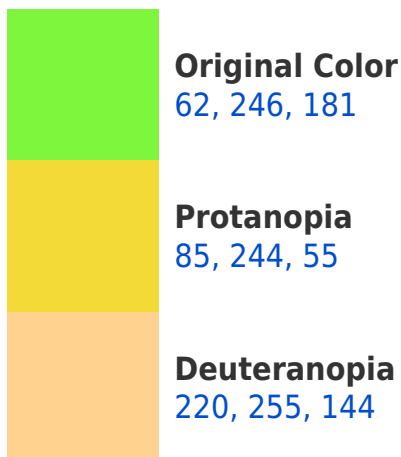



This preview shows how white text looks on a background with the RYB color 62, 246, 181.

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
158, 198, 248

Trichromacy



Original Color
62, 246, 181



Protanomaly
58, 228, 85



Deuteranomaly
114, 223, 129

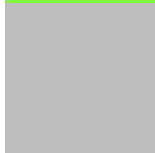


Tritanomaly
147, 211, 235

Monochromacy



Original Color
62, 246, 181



Achromatopsia
189, 189, 189



Achromatomaly
143, 210, 187

CSS Examples

Text

The CSS property to change the color of the text to RYB 62, 246, 181 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(127, 246, 62)` looks like.

```
.text, #text, p{  
    color:rgb(127, 246, 62)  
}
```

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(127, 246, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 246, 62) }
```

Border

The CSS property to change the border of an element to RYB 62, 246, 181 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(127, 246, 62) }
```

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

```
.border{ border-color:rgb(127, 246, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 246, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 246, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 246, 62);  
box-shadow:4px 4px 4px 4px rgb(127, 246,  
62) }
```

Background

The CSS property to change the background color of an element to RGB 62, 246, 181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 246, 62) }
```

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

```
.background{ background-color: rgb(127,  
246, 62) }
```

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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