

Converting Colors

`RYB(87, 197, 154)`

Have a look what the booklet for
RYB(87, 197, 154) contains.

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Color

R_YB(87, 197, 154)

Conversions

Conversions Part 1

Format	Color
Hex	82C557
RGB	130, 197, 87
RGB Percent	51%, 77%, 34%
CMY	0.4902, 0.2275, 0.6588
CMYK	0.34, 0.00, 0.56, 0.23
HSL	97°, 49%, 56%
HSV	97°, 56%, 77%
XYZ	30.8925, 45.3665, 16.1452
YIQ	164.4270, -4.6220, -48.4140

Conversions

Conversions Part 2

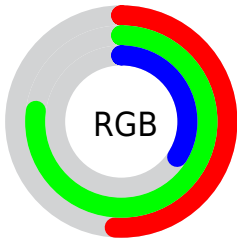
Format	Color
RYB	87, 197, 154
Decimal	8570199
CIELab	73.13, -40.42, 47.82
CIELCh	73, 62.611, 130.205
Yxy	45.3665, 0.3343, 0.4910
Android (android.graphics.Color)	4286760279 (0xFF82C557)
YUV	164.4270, -38.1715, -30.1925
Hunter-Lab	67.3546, -36.0008, 32.9361

Details

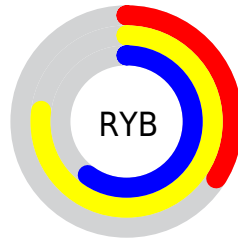
The RYB color **87, 197, 154** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **154, 87, 197**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **140, 254, 208**, and **34, 143, 102** is the 20% darker color. If you saturate the color by 10%, you get **67, 197, 146**, and if you desaturate by 10%, it is **107, 197, 162**.

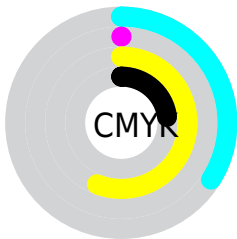
Distribution



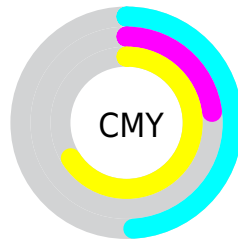
- Red (51%)
- Green (77%)
- Blue (34%)



- Red (34%)
- Yellow (77%)
- Blue (60%)



- Cyan (34%)
- Magenta (0%)
- Yellow (56%)
- Black (23%)



- Cyan (49%)
- Magenta (23%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the RYB color 87, 197, 154 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 87, 197, 154 by changing the saturation by 10% instead.

 87, 197, 154  87, 197, 154

255, 255, 255  61, 169, 127

 140, 254, 208  34, 143, 102

 167, 255, 207  0, 117, 70

 195, 255, 206  0, 91, 78


 223, 255, 223  0, 67, 67


253, 255, 253  0, 45, 45


 0, 19, 19

 0, 0, 0


 87, 197, 154  87, 197, 154

 67, 197, 146

 107, 197, 162

 48, 197, 139

 126, 197, 169

 28, 197, 131


 146, 197, 177

 8, 197, 123

 166, 197, 185

 0, 197, 120

 186, 197, 193

 202, 197, 205

 214, 197, 225

 226, 197, 245

 238, 197, 255

Harmonies

Analogous

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



68, 192, 58



87, 197, 154



0, 122, 205

Triad

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



87, 197, 154



0, 111, 255



255, 128, 162

Complementary

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



87, 197, 154



154, 87, 197

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, 134, 220



87, 197, 154



107, 155, 255

Square

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



87, 197, 154



0, 113, 252



208, 156, 255



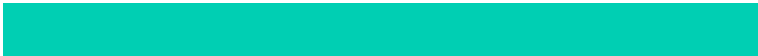
255, 151, 108

Rectangle

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



87, 197, 154



0, 111, 207



208, 156, 255



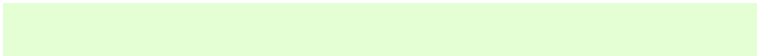
255, 128, 182

Sweetspot

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



87, 197, 154



212, 255, 238



160, 197, 87



102, 128, 118



0, 0, 0



128, 128, 128

Same Dimension

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



87, 197, 154



84, 255, 188



87, 187, 197



90, 99, 96



0, 163, 99



0, 36, 22

Inverse Universe

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



154, 87, 197



188, 84, 255



197, 87, 186



96, 90, 99



99, 0, 163



22, 0, 36

Previews

White Background



This preview shows how the RYB color 87, 197, 154 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 87, 197, 154 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 87, 197, 154 Background



This preview shows how black text looks on a background with the RYB color 87, 197, 154.

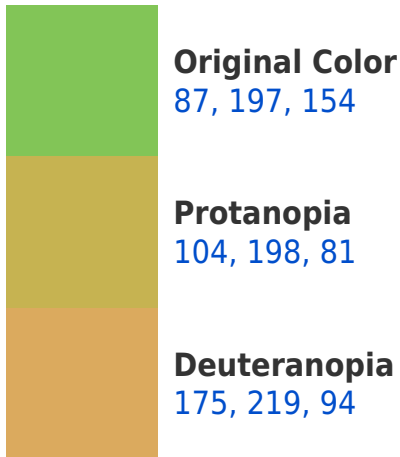


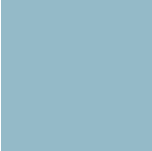
This preview shows how white text looks on a background with the RYB color 87, 197, 154.

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
148, 170, 200

Trichromacy



Original Color

87, 197, 154



Protanomaly

83, 186, 96



Deuteranomaly

99, 187, 91



Tritanomaly

141, 176, 189

Monochromacy



Original Color

87, 197, 154



Achromatopsia

164, 164, 164



Achromatomaly

136, 176, 160

CSS Examples

Text

The CSS property to change the color of the text to RYB 87, 197, 154 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(130, 197, 87)` looks like.

```
.text, #text, p{  
    color:rgb(130, 197, 87)  
}
```

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(130, 197, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 197, 87) }
```

Border

The CSS property to change the border of an element to RYB 87, 197, 154 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(130, 197, 87) }
```

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

```
.border{ border-color:rgb(130, 197, 87) }
```

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

Here you see how a box with a 4 pixel rgb(130, 197, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 197, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 197, 87);  
box-shadow:4px 4px 4px 4px rgb(130, 197,  
87) }
```

Background

The CSS property to change the background color of an element to RGB 87, 197, 154 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 197, 87) }
```

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

```
.background{ background-color: rgb(130,  
197, 87) }
```

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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