

Converting Colors

`RYB(87, 137, 154)`

Have a look what the booklet for
RYB(87, 137, 154) contains.

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Color

R_YB(87, 137, 154)

Conversions

Conversions Part 1

Format	Color
Hex	579A6E
RGB	87, 154, 110
RGB Percent	34%, 60%, 43%
CMY	0.6588, 0.3961, 0.5695
CMYK	0.44, 0.00, 0.29, 0.40
HSL	140°, 28%, 47%
HSV	140°, 44%, 60%
XYZ	18.2886, 26.2584, 18.7936
YIQ	128.9510, -25.8080, -27.8880

Conversions

Conversions Part 2

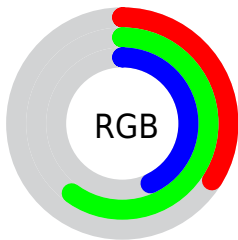
Format	Color
RYB	87, 137, 154
Decimal	5741166
CIELab	58.28, -31.52, 16.72
CIElCh	58, 35.679, 152.063
Yxy	26.2584, 0.2887, 0.4146
Android (android.graphics.Color)	4283931246 (0xFF579A6E)
YUV	128.9510, -9.3428, -36.7910
Hunter-Lab	51.2430, -25.9687, 14.1252

Details

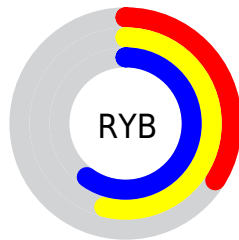
The RYB color **87, 137, 154** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **154, 87, 131**, and the grayscale version is **129, 129, 129**.

A 20% lighter version of the original color is **140, 192, 209**, and **34, 82, 102** is the 20% darker color. If you saturate the color by 10%, you get **72, 133, 154**, and if you desaturate by 10%, it is **102, 141, 154**.

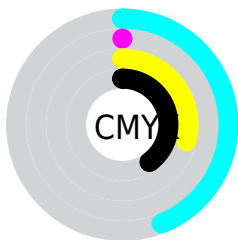
Distribution



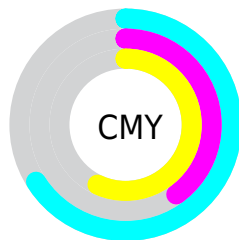
- Red (34%)
- Green (60%)
- Blue (43%)



- Red (34%)
- Yellow (54%)
- Blue (60%)



- Cyan (44%)
- Magenta (0%)
- Yellow (29%)
- Black (40%)



- Cyan (66%)
- Magenta (40%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the RYB color 87, 137, 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, 137, 154 by changing the saturation by 10% instead.



87, 137, 154



87, 137, 154

255, 255, 255



61, 110, 128



140, 192, 209



34, 82, 102



167, 220, 237



0, 52, 78



195, 239, 255



0, 40, 54



224, 242, 255



0, 34, 34



253, 254, 255



0, 0, 0



87, 137, 154



87, 137, 154



72, 133, 154



102, 141, 154



56, 129, 154



118, 145, 154

■ 41, 126, 154

■ 133, 149, 154

■ 25, 121, 154

■ 149, 153, 154

■ 10, 117, 154

■ 164, 154, 161

■ 0, 115, 154

■ 179, 154, 171

■ 195, 154, 181

■ 210, 154, 191

■ 226, 154, 201

Harmonies

Analogous

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



86, 148, 109



87, 137, 154



35, 100, 157

Triad

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



87, 137, 154



96, 129, 202



199, 120, 109

Complementary

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



87, 137, 154



154, 87, 131

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.



199, 115, 139



87, 137, 154



146, 131, 193

Square

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



87, 137, 154



24, 97, 195



181, 120, 170



184, 160, 86

Rectangle

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



87, 137, 154



0, 80, 163



181, 120, 170



200, 117, 118

Sweetspot

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



87, 137, 154



175, 194, 201



87, 154, 109



86, 98, 102



230, 230, 230



102, 102, 102

Same Dimension

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



87, 137, 154



97, 175, 201



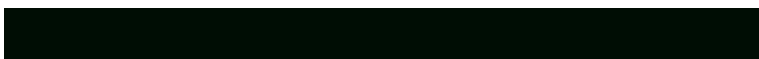
87, 123, 154



69, 75, 77



0, 104, 140



0, 10, 13

Inverse Universe

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



154, 87, 131



201, 97, 166



154, 87, 98



77, 69, 74



140, 0, 93



13, 0, 8

Previews

White Background



This preview shows how the RYB color 87, 137, 154 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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, 137, 154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

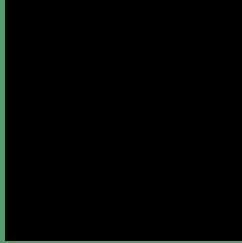
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 87, 137, 154 Background



This preview shows how black text looks on a background with the RYB color 87, 137, 154.

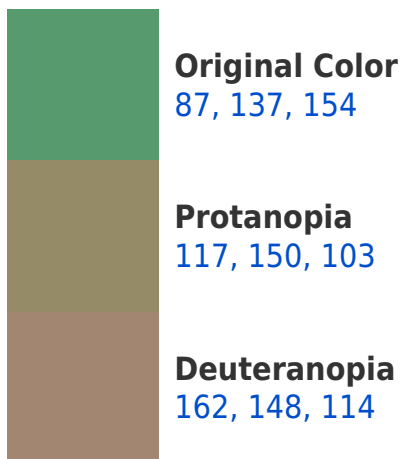


This preview shows how white text looks on a background with the RYB color 87, 137, 154.

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
98, 125, 159

Trichromacy



Original Color
87, 137, 154

Protanomaly
105, 144, 122

Deuteranomaly
112, 141, 118

Tritanomaly
94, 124, 150

Monochromacy



Original Color
87, 137, 154

Achromatopsia
129, 129, 129

Achromatomaly
114, 132, 138

CSS Examples

Text

The CSS property to change the color of the text to RYB 87, 137, 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(87, 154, 110)` looks like.

```
.text, #text, p{  
    color:rgb(87, 154, 110)  
}
```

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(87, 154, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 154, 110) }
```

Border

The CSS property to change the border of an element to RYB 87, 137, 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(87, 154, 110) }
```

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

```
.border{ border-color:rgb(87, 154, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 154, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(87, 154, 110); -webkit-box-shadow:4px 4px 4px 4px rgb(87, 154, 110); box-shadow:4px 4px 4px 4px rgb(87, 154, 110) }
```

Background

The CSS property to change the background color of an element to RGB 87, 137, 154 is called "background".

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

```
.background, #background, body{  
background: rgb(87, 154, 110) }
```

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

```
.background{ background-color: rgb(87, 154,  
110) }
```

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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