

Converting Colors

`RYB(87, 140, 170)`

Have a look what the booklet for
RYB(87, 140, 170) contains.

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Color

`RYB(87, 140, 170)`

Conversions

Conversions Part 1

Format	Color
Hex	57AA86
RGB	87, 170, 134
RGB Percent	34%, 67%, 53%
CMY	0.6588, 0.3333, 0.4746
CMYK	0.49, 0.00, 0.21, 0.33
HSL	154°, 33%, 50%
HSV	154°, 49%, 67%
XYZ	22.6070, 32.4964, 27.6283
YIQ	141.0790, -37.9120, -28.7920

Conversions

Conversions Part 2

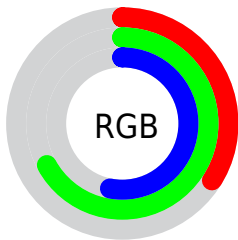
Format	Color
RYB	87, 140, 170
Decimal	5745286
CIELab	63.75, -33.96, 10.88
CIELCh	64, 35.663, 162.230
Yxy	32.4964, 0.2733, 0.3928
Android (android.graphics.Color)	4283935366 (0xFF57AA86)
YUV	141.0790, -3.4899, -47.4273
Hunter-Lab	57.0056, -28.9713, 11.1685

Details

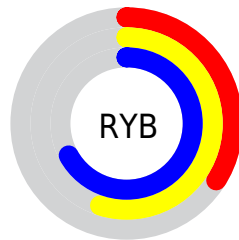
The RYB color **87, 140, 170** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **170, 87, 123**, and the grayscale version is **141, 141, 141**.

A 20% lighter version of the original color is **142, 197, 226**, and **29, 83, 117** is the 20% darker color. If you saturate the color by 10%, you get **70, 134, 170**, and if you desaturate by 10%, it is **104, 146, 170**.

Distribution



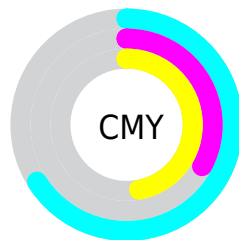
- Red (34%)
- Green (67%)
- Blue (53%)



- Red (34%)
- Yellow (55%)
- Blue (67%)



- Cyan (49%)
- Magenta (0%)
- Yellow (21%)
- Black (33%)




- Cyan (66%)
- Magenta (33%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the RYB color 87, 140, 170 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, 140, 170 by changing the saturation by 10% instead.

 87, 140, 170


255, 255, 255


 142, 197, 226

 169, 225, 255

 198, 230, 255

 227, 241, 255

 87, 140, 170

 59, 112, 143

 29, 83, 117

 0, 55, 92


 0, 43, 68


 0, 32, 45

 0, 22, 22

 0, 0, 0

 87, 140, 170

 70, 134, 170

 87, 140, 170

 104, 146, 170

■ 53, 128, 170

■ 121, 152, 170

■ 36, 122, 170

■ 138, 158, 170

■ 19, 116, 170

■ 155, 165, 170

■ 2, 109, 170

■ 172, 170, 171

■ 0, 109, 170

■ 189, 170, 178

■ 206, 170, 186

■ 223, 170, 193

■ 240, 170, 200

Harmonies

Analogous

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



106, 165, 144



87, 140, 170



38, 106, 171

Triad

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



87, 140, 170



130, 148, 216



211, 141, 113

Complementary

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



87, 140, 170



170, 87, 123

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.



216, 130, 142



87, 140, 170



175, 141, 202

Square

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



87, 140, 170



73, 128, 214



204, 132, 175



181, 192, 94

Rectangle

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



87, 140, 170



0, 89, 187



204, 132, 175



214, 134, 122

Sweetspot

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



87, 140, 170



189, 210, 222



87, 170, 133



92, 105, 112



240, 240, 240



112, 112, 112

Same Dimension

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



87, 140, 170



91, 175, 222



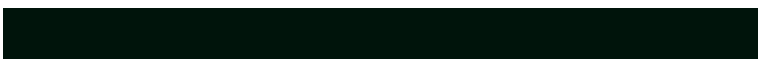
87, 127, 170



76, 81, 84



0, 94, 148



0, 13, 20

Inverse Universe

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



170, 87, 123



222, 91, 148



170, 91, 87



84, 76, 79



148, 0, 64



20, 0, 9

Previews

White Background



This preview shows how the RYB color 87, 140, 170 looks on a white background.

Color Contrast Check

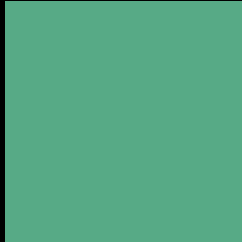
Large Text (above 18pt) WCAG AA × Fail

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, 140, 170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

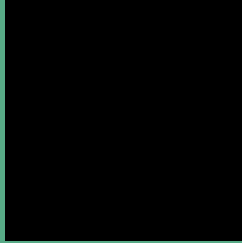
Any Text WCAG AA ✓ Pass

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 87, 140, 170 Background



This preview shows how black text looks on a background with the R Y B color 87, 140, 170.

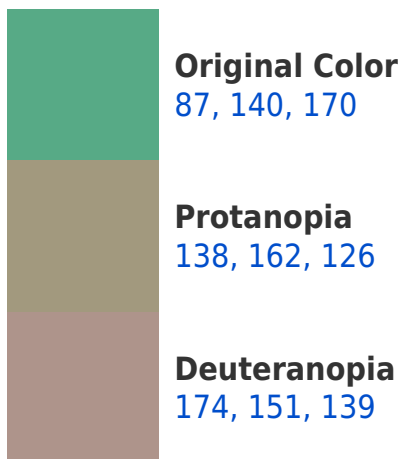


This preview shows how white text looks on a background with the R Y B color 87, 140, 170.

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
99, 134, 177

Trichromacy



Original Color

87, 140, 170



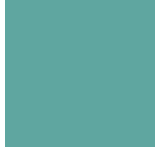
Protanomaly

129, 159, 153



Deuteranomaly

137, 156, 151



Tritanomaly

95, 132, 166

Monochromacy



Original Color

87, 140, 170



Achromatopsia

141, 141, 141



Achromatomaly

121, 141, 152

CSS Examples

Text

The CSS property to change the color of the text to RYB 87, 140, 170 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, 170, 134)` looks like.

```
.text, #text, p{  
    color:rgb(87, 170, 134)  
}
```

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, 170, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 170, 134) }
```

Border

The CSS property to change the border of an element to RYB 87, 140, 170 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, 170, 134) }
```

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

```
.border{ border-color:rgb(87, 170, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 170, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 170, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 170, 134);  
box-shadow:4px 4px 4px 4px rgb(87, 170,  
134) }
```

Background

The CSS property to change the background color of an element to RGB 87, 140, 170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 170, 134) }
```

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

```
.background{ background-color: rgb(87, 170,  
134) }
```

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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