

Converting Colors

`RYB(87, 131, 171)`

Have a look what the booklet for
RYB(87, 131, 171) contains.

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Color

R_YB(87, 131, 171)

Conversions

Conversions Part 1

Format	Color
Hex	57ABA3
RGB	87, 171, 163
RGB Percent	34%, 67%, 64%
CMY	0.6588, 0.3294, 0.3594
CMYK	0.49, 0.00, 0.04, 0.33
HSL	175°, 33%, 51%
HSV	175°, 49%, 67%
XYZ	25.1369, 33.8095, 40.0224
YIQ	144.9720, -47.4960, -20.2960

Conversions

Conversions Part 2

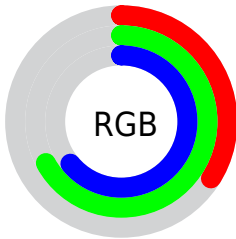
Format	Color
RYB	87, 131, 171
Decimal	5745571
CIELab	64.81, -27.38, -3.94
CIELCh	65, 27.662, 188.182
Yxy	33.8095, 0.2540, 0.3416
Android (android.graphics.Color)	4283935651 (0xFF57ABA3)
YUV	144.9720, 8.8878, -50.8414
Hunter-Lab	58.1459, -24.5885, -0.1078

Details

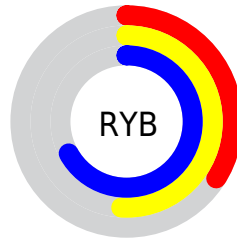
The RYB color **87, 131, 171** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **171, 87, 95**, and the grayscale version is **145, 145, 145**.

A 20% lighter version of the original color is **143, 187, 227**, and **25, 73, 118** is the 20% darker color. If you saturate the color by 10%, you get **70, 123, 171**, and if you desaturate by 10%, it is **104, 139, 171**.

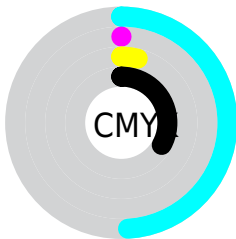
Distribution



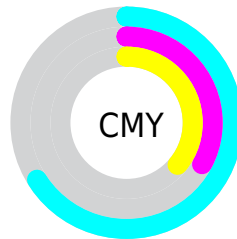
- Red (34%)
- Green (67%)
- Blue (64%)



- Red (34%)
- Yellow (51%)
- Blue (67%)



- Cyan (49%)
- Magenta (0%)
- Yellow (4%)
- Black (33%)



- Cyan (66%)
- Magenta (33%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 87, 131, 171 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, 131, 171 by changing the saturation by 10% instead.



87, 131, 171



87, 131, 171

255, 255, 255



58, 103, 144



143, 187, 227



25, 73, 118



171, 215, 255



0, 48, 93



199, 227, 255



0, 36, 69



229, 242, 255



0, 24, 46



0, 14, 26



0, 0, 0



87, 131, 171



87, 131, 171



70, 123, 171



104, 139, 171

■ 53, 115, 171

■ 121, 147, 171

■ 36, 107, 171

■ 138, 155, 171

■ 19, 99, 171

■ 155, 163, 171

■ 1, 90, 171

■ 172, 171, 171

■ 0, 90, 171

■ 190, 171, 173

■ 207, 171, 174

■ 224, 171, 176

■ 241, 171, 177

Harmonies

Analogous

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



112, 151, 169



87, 131, 171



79, 128, 187

Triad

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



87, 131, 171



169, 148, 196



190, 182, 112

Complementary

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



87, 131, 171



171, 87, 95

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.



204, 145, 128



87, 131, 171



194, 141, 176

Square

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



87, 131, 171



135, 152, 206



206, 139, 151



120, 168, 108

Rectangle

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



87, 131, 171



90, 135, 198



206, 139, 151



196, 167, 116

Sweetspot

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



87, 131, 171



189, 206, 222



87, 171, 163



92, 103, 112



240, 240, 240



112, 112, 112

Same Dimension

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



87, 131, 171



91, 160, 222



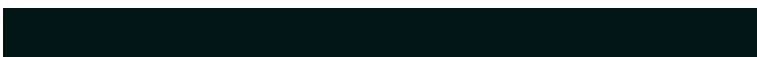
87, 118, 171



78, 83, 87



0, 78, 150



0, 12, 23

Inverse Universe

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



171, 87, 95



222, 91, 103



171, 144, 87



87, 78, 79



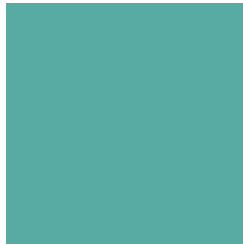
150, 0, 14



23, 0, 2

Previews

White Background



This preview shows how the RYB color 87, 131, 171 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, 131, 171 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, 131, 171 Background



This preview shows how black text looks on a background with the R Y B color 87, 131, 171.

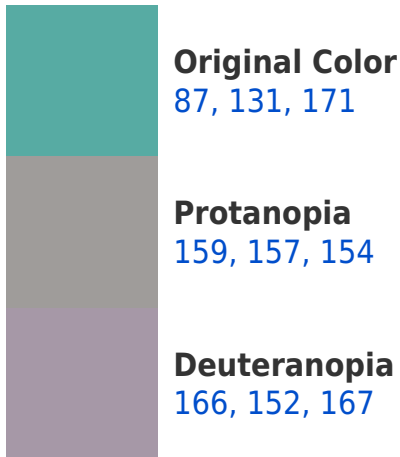



This preview shows how white text looks on a background with the R Y B color 87, 131, 171.

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
93, 134, 182

Trichromacy



Original Color

87, 131, 171



Protanomaly

133, 148, 161



Deuteranomaly

137, 150, 166



Tritanomaly

91, 131, 175

Monochromacy



Original Color

87, 131, 171



Achromatopsia

145, 145, 145



Achromatomaly

124, 140, 154

CSS Examples

Text

The CSS property to change the color of the text to RYB 87, 131, 171 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, 171, 163)` looks like.

```
.text, #text, p{  
    color:rgb(87, 171, 163)  
}
```

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, 171, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 171, 163) }
```

Border

The CSS property to change the border of an element to RYB 87, 131, 171 is called "border". The border property can be set on classes, ids or directly on the HTML element.

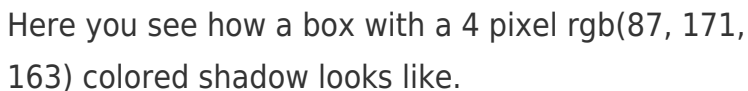
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(87, 171, 163) }
```

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

```
.border{ border-color:rgb(87, 171, 163) }
```

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



Here you see how a box with a 4 pixel `rgb(87, 171, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 171, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 171, 163);  
box-shadow:4px 4px 4px 4px rgb(87, 171,  
163) }
```

Background

The CSS property to change the background color of an element to RGB 87, 131, 171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 171, 163) }
```

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

```
.background{ background-color: rgb(87, 171,  
163) }
```

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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