

Converting Colors

`RYB(87, 147, 173)`

Have a look what the booklet for
RYB(87, 147, 173) contains.

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Color

`RYB(87, 147, 173)`

Conversions

Conversions Part 1

Format	Color
Hex	57AD7C
RGB	87, 173, 124
RGB Percent	34%, 68%, 49%
CMY	0.6588, 0.3216, 0.5127
CMYK	0.50, 0.00, 0.28, 0.32
HSL	146°, 34%, 51%
HSV	146°, 50%, 68%
XYZ	22.5290, 33.3754, 24.4120
YIQ	141.7000, -35.5270, -33.4710

Conversions

Conversions Part 2

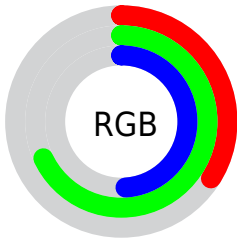
Format	Color
RYB	87, 147, 173
Decimal	5746044
CIELab	64.46, -37.39, 17.23
CIELCh	64, 41.169, 155.259
Yxy	33.3754, 0.2805, 0.4155
Android (android.graphics.Color)	4283936124 (0xFF57AD7C)
YUV	141.7000, -8.7261, -47.9719
Hunter-Lab	57.7714, -31.4906, 15.3863

Details

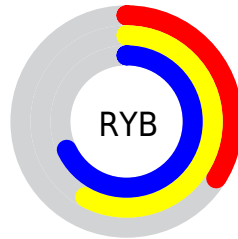
The RYB color **87, 147, 173** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **173, 87, 136**, and the grayscale version is **142, 142, 142**.

A 20% lighter version of the original color is **142, 204, 229**, and **28, 89, 120** is the 20% darker color. If you saturate the color by 10%, you get **70, 142, 173**, and if you desaturate by 10%, it is **104, 152, 173**.

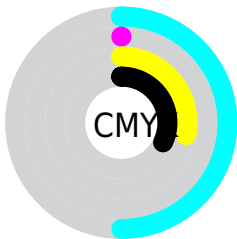
Distribution



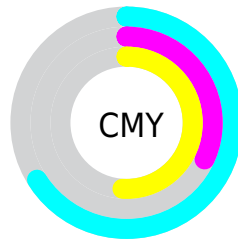
- Red (34%)
- Green (68%)
- Blue (49%)



- Red (34%)
- Yellow (58%)
- Blue (68%)



- Cyan (50%)
- Magenta (0%)
- Yellow (28%)
- Black (32%)



- Cyan (66%)
- Magenta (32%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the RYB color 87, 147, 173 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, 147, 173 by changing the saturation by 10% instead.



87, 147, 173



87, 147, 173

255, 255, 255



59, 119, 146



142, 204, 229



28, 89, 120



170, 230, 255



0, 61, 95



198, 233, 255



0, 49, 70



227, 241, 255



0, 40, 47



0, 24, 24



0, 0, 0



87, 147, 173



87, 147, 173



70, 142, 173



104, 152, 173

■ 52, 136, 173

■ 122, 158, 173

■ 35, 131, 173

■ 139, 163, 173

■ 18, 126, 173

■ 156, 168, 173

■ 1, 121, 173

■ 174, 173, 173

■ 0, 121, 173

■ 191, 173, 183

■ 208, 173, 193

■ 225, 173, 203

■ 243, 173, 212

Harmonies

Analogous

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



95, 167, 128



87, 147, 173



0, 92, 176

Triad

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



87, 147, 173



110, 144, 229



223, 135, 116

Complementary

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



87, 147, 173



173, 87, 136

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.



226, 126, 151



87, 147, 173



168, 144, 216

Square

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



87, 147, 173



0, 96, 222



207, 132, 188



204, 189, 90

Rectangle

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



87, 147, 173



0, 90, 186



207, 132, 188



226, 129, 127

Sweetspot

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



87, 147, 173



191, 214, 224



87, 173, 124



92, 106, 112



240, 240, 240



112, 112, 112

Same Dimension

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



87, 147, 173



90, 184, 224



87, 132, 173



78, 84, 87



0, 105, 150



0, 16, 23

Inverse Universe

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



173, 87, 136



224, 90, 166



173, 87, 93



87, 78, 83



150, 0, 85



23, 0, 13

Previews

White Background



This preview shows how the RYB color 87, 147, 173 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, 147, 173 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, 147, 173 Background



This preview shows how black text looks on a background with the RYB color 87, 147, 173.



This preview shows how white text looks on a background with the RYB color 87, 147, 173.

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



Original Color
87, 147, 173

Protanopia
130, 166, 116

Deuteranopia
179, 162, 129



Tritanopia
101, 136, 179

Trichromacy



Original Color

87, 147, 173



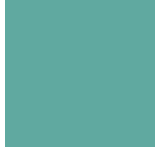
Protanomaly

119, 162, 144



Deuteranomaly

127, 158, 139



Tritanomaly

96, 135, 169

Monochromacy



Original Color

87, 147, 173



Achromatopsia

142, 142, 142



Achromatomaly

122, 143, 153

CSS Examples

Text

The CSS property to change the color of the text to RYB 87, 147, 173 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, 173, 124)` looks like.

```
.text, #text, p{  
    color:rgb(87, 173, 124)  
}
```

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, 173, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 173, 124) }
```

Border

The CSS property to change the border of an element to RYB 87, 147, 173 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, 173, 124) }
```

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

```
.border{ border-color:rgb(87, 173, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 173, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 173, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 173, 124);  
box-shadow:4px 4px 4px 4px rgb(87, 173,  
124) }
```

Background

The CSS property to change the background color of an element to RGB 87, 147, 173 is called "background".

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

```
.background, #background, body{  
background: rgb(87, 173, 124) }
```

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

```
.background{ background-color: rgb(87, 173,  
124) }
```

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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