

Converting Colors

`RYB(90, 154, 171)`

Have a look what the booklet for
RYB(90, 154, 171) contains.

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Color

R_YB(90, 154, 171)

Conversions

Conversions Part 1

Format	Color
Hex	5AAB70
RGB	90, 171, 112
RGB Percent	35%, 67%, 44%
CMY	0.6471, 0.3294, 0.5627
CMYK	0.47, 0.00, 0.35, 0.33
HSL	136°, 33%, 51%
HSV	136°, 47%, 67%
XYZ	21.6771, 32.4586, 20.3108
YIQ	140.0550, -29.3370, -35.5210

Conversions

Conversions Part 2

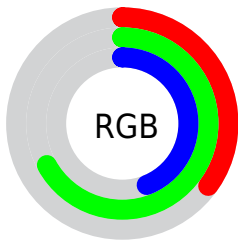
Format	Color
RYB	90, 154, 171
Decimal	5942128
CIELab	63.72, -38.14, 23.17
CIELCh	64, 44.624, 148.715
Yxy	32.4586, 0.2912, 0.4360
Android (android.graphics.Color)	4284132208 (0xFF5AAB70)
YUV	140.0550, -13.8311, -43.8982
Hunter-Lab	56.9724, -31.7854, 18.7436

Details

The RYB color **90, 154, 171** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **171, 90, 149**, and the grayscale version is **140, 140, 140**.

A 20% lighter version of the original color is **144, 211, 227**, and **33, 96, 118** is the 20% darker color. If you saturate the color by 10%, you get **73, 150, 171**, and if you desaturate by 10%, it is **107, 158, 171**.

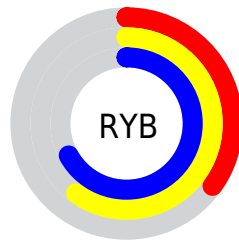
Distribution



Red (35%)

Green (67%)

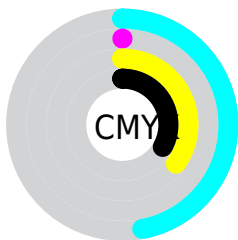
Blue (44%)



Red (35%)

Yellow (60%)

Blue (67%)

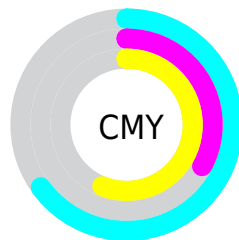


Cyan (47%)

Magenta (0%)

Yellow (35%)

Black (33%)



Cyan (65%)


Magenta (33%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 90, 154, 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 90, 154, 171 by changing the saturation by 10% instead.

 90, 154, 171


255, 255, 255


 144, 211, 227

 172, 240, 255


 201, 242, 255

 230, 245, 255

 90, 154, 171

 63, 125, 144

 33, 96, 118


 0, 65, 93


 0, 54, 68

 0, 45, 45


 0, 21, 21

 0, 0, 0

 90, 154, 171

 73, 150, 171

 90, 154, 171

 107, 158, 171

■ 56, 147, 171

■ 124, 161, 171

■ 39, 143, 171

■ 141, 165, 171

■ 22, 140, 171

■ 158, 168, 171

■ 5, 136, 171

■ 175, 171, 174

■ 0, 135, 171

■ 193, 171, 187

■ 210, 171, 199

■ 227, 171, 212

■ 244, 171, 225

Harmonies

Analogous

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



82, 163, 105



90, 154, 171



0, 94, 175

Triad

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



90, 154, 171



81, 133, 234



228, 125, 118

Complementary

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



90, 154, 171



171, 90, 149

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, 121, 158



90, 154, 171



155, 145, 224

Square

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



90, 154, 171



0, 96, 221



202, 130, 196



211, 171, 87

Rectangle

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



90, 154, 171



0, 88, 179



202, 130, 196



230, 122, 131

Sweetspot

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



90, 154, 171



191, 216, 222



90, 171, 110



93, 108, 112



240, 240, 240



112, 112, 112

Same Dimension

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



90, 154, 171



95, 195, 222



90, 136, 171



78, 85, 87



0, 118, 150



0, 18, 23

Inverse Universe

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



171, 90, 149



222, 95, 188



171, 90, 110



87, 78, 84



150, 0, 110



23, 0, 17

Previews

White Background



This preview shows how the RYB color 90, 154, 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 90, 154, 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](#).

RYB 90, 154, 171 Background



This preview shows how black text looks on a background with the RYB color 90, 154, 171.

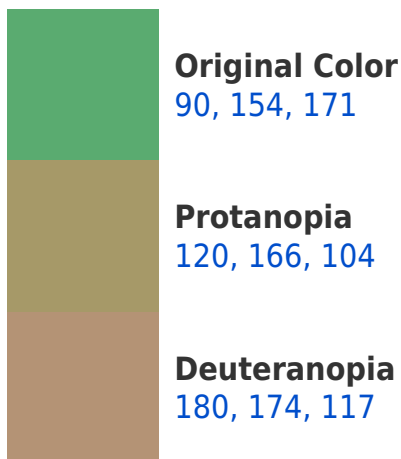



This preview shows how white text looks on a background with the RYB color 90, 154, 171.

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
105, 137, 176

Trichromacy



Original Color

90, 154, 171



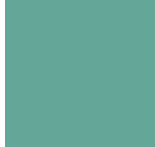
Protanomaly

107, 160, 129



Deuteranomaly

115, 156, 124



Tritanomaly

100, 137, 166

Monochromacy



Original Color

90, 154, 171



Achromatopsia

140, 140, 140



Achromatomaly

122, 145, 151

CSS Examples

Text

The CSS property to change the color of the text to RYB 90, 154, 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(90, 171, 112)` looks like.

```
.text, #text, p{  
    color:rgb(90, 171, 112)  
}
```

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(90, 171, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 171, 112) }
```

Border

The CSS property to change the border of an element to RYB 90, 154, 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(90, 171, 112) }
```

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

```
.border{ border-color:rgb(90, 171, 112) }
```

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

Here you see how a box with a 4 pixel rgb(90, 171, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 171, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 171, 112);  
box-shadow:4px 4px 4px 4px rgb(90, 171,  
112) }
```

Background

The CSS property to change the background color of an element to RGB 90, 154, 171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 171, 112) }
```

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

```
.background{ background-color: rgb(90, 171,  
112) }
```

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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