

Converting Colors

`RYB(78, 151, 154)`

Have a look what the booklet for
RYB(78, 151, 154) contains.

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Color

R_YB(78, 151, 154)

Conversions

Conversions Part 1

Format	Color
Hex	4E9A51
RGB	78, 154, 81
RGB Percent	31%, 60%, 32%
CMY	0.6941, 0.3961, 0.6819
CMYK	0.49, 0.00, 0.47, 0.40
HSL	122°, 33%, 45%
HSV	122°, 49%, 60%
XYZ	16.1873, 25.3268, 11.8443
YIQ	122.9540, -21.8630, -38.8150

Conversions

Conversions Part 2

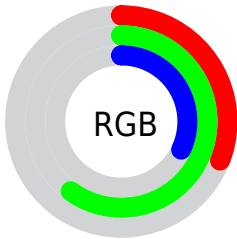
Format	Color
RYB	78, 151, 154
Decimal	5151313
CIELab	57.39, -39.20, 31.07
CIElCh	57, 50.015, 141.601
Yxy	25.3268, 0.3034, 0.4747
Android (android.graphics.Color)	4283341393 (0xFF4E9A51)
YUV	122.9540, -20.6833, -39.4247
Hunter-Lab	50.3258, -30.6555, 21.2740

Details

The RYB color **78, 151, 154** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **154, 78, 151**, and the grayscale version is **123, 123, 123**.

A 20% lighter version of the original color is **132, 209, 209**, and **18, 89, 102** is the 20% darker color. If you saturate the color by 10%, you get **63, 151, 154**, and if you desaturate by 10%, it is **93, 151, 154**.

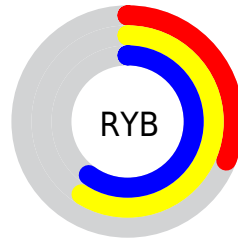
Distribution



Red (31%)

Green (60%)

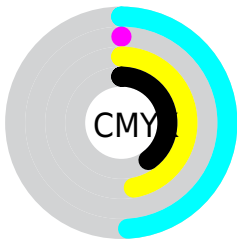
Blue (32%)



Red (31%)

Yellow (59%)

Blue (60%)

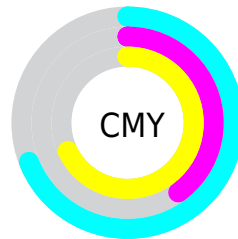


Cyan (49%)

Magenta (0%)

Yellow (47%)

Black (40%)



Cyan (69%)


Magenta (40%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the RYB color 78, 151, 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 78, 151, 154 by changing the saturation by 10% instead.

 78, 151, 154

255, 255, 255


 132, 209, 209


 158, 238, 236

 185, 255, 252


 213, 255, 252

 242, 255, 251

 78, 151, 154

 51, 122, 128


 18, 89, 102


 0, 69, 77


 0, 54, 54


 0, 33, 33


 0, 0, 0

 78, 151, 154

 63, 151, 154

 47, 149, 154

 78, 151, 154

 93, 151, 154

 109, 152, 154

■ 32, 149, 154

■ 124, 153, 154

■ 16, 148, 154

■ 140, 154, 154

■ 1, 148, 154

■ 155, 154, 155

■ 0, 148, 154

■ 170, 154, 170

■ 186, 154, 184

■ 201, 154, 199

■ 217, 154, 214

Harmonies

Analogous

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



51, 145, 65



78, 151, 154



0, 89, 159

Triad

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



78, 151, 154



0, 88, 224



218, 101, 108

Complementary

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



78, 151, 154



154, 78, 151

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.



211, 100, 152



78, 151, 154



119, 130, 219

Square

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



78, 151, 154



0, 88, 205



179, 113, 193



203, 138, 70

Rectangle

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



78, 151, 154



0, 81, 159



179, 113, 193



219, 99, 123

Sweetspot

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



78, 151, 154



171, 200, 201



78, 154, 81



84, 102, 102



230, 230, 230



102, 102, 102

Same Dimension

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



78, 151, 154



83, 197, 201



78, 127, 154



69, 77, 77



0, 134, 140



0, 12, 13

Inverse Universe

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



154, 78, 151



201, 83, 197



154, 78, 113



77, 69, 76



140, 0, 134



13, 0, 12

Previews

White Background



This preview shows how the RYB color 78, 151, 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 78, 151, 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](#).

R Y B 78, 151, 154 Background



This preview shows how black text looks on a background with the R Y B color 78, 151, 154.

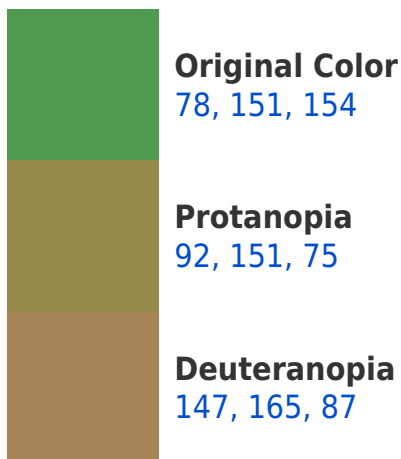


This preview shows how white text looks on a background with the R Y B color 78, 151, 154.

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

95, 123, 157

Trichromacy



Original Color

78, 151, 154

Protanomaly

77, 143, 96

Deuteranomaly

85, 139, 91

Tritanomaly

89, 124, 148

Monochromacy



Original Color

78, 151, 154

Achromatopsia

123, 123, 123

Achromatomaly

107, 133, 134

CSS Examples

Text

The CSS property to change the color of the text to RYB 78, 151, 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(78, 154, 81)` looks like.

```
.text, #text, p{  
    color:rgb(78, 154, 81)  
}
```

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(78, 154, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 154, 81) }
```

Border

The CSS property to change the border of an element to RYB 78, 151, 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(78, 154, 81) }
```

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

```
.border{ border-color:rgb(78, 154, 81) }
```

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

Here you see how a box with a 4 pixel rgb(78, 154, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 154, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 154, 81);  
box-shadow:4px 4px 4px 4px rgb(78, 154,  
81) }
```

Background

The CSS property to change the background color of an element to RGB 78, 151, 154 is called "background".

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

```
.background, #background, body{  
background: rgb(78, 154, 81) }
```

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

```
.background{ background-color: rgb(78, 154,  
81) }
```

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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