

# Converting Colors

`RYB(123, 171, 172)`

Have a look what the booklet for  
RYB(123, 171, 172) contains.

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# Color

**`RYB(123, 171, 172)`**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BAC7C
RGB	123, 172, 124
RGB Percent	48%, 67%, 49%
CMY	0.5176, 0.3255, 0.5136
CMYK	0.28, 0.00, 0.28, 0.33
HSL	121°, 23%, 58%
HSV	121°, 28%, 67%
XYZ	26.5603, 35.1718, 24.4646
YIQ	151.8770, -13.7960, -25.3160

# Conversions

## Conversions Part 2

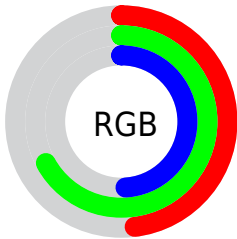
<b>Format</b>	<b>Color</b>
<b>RYB</b>	123, 171, 172
Decimal	8105084
CIELab	65.88, -26.05, 19.59
CIELCh	66, 32.593, 143.059
Yxy	35.1718, 0.3081, 0.4080
Android (android.graphics.Color)	4286295164 (0xFF7BAC7C)
YUV	151.8770, -13.7434, -25.3251
Hunter-Lab	59.3058, -23.8433, 17.0559

# Details

The RYB color **123, 171, 172** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **172, 123, 171**, and the grayscale version is **152, 152, 152**.

A 20% lighter version of the original color is **177, 228, 228**, and **72, 116, 119** is the 20% darker color. If you saturate the color by 10%, you get **106, 171, 172**, and if you desaturate by 10%, it is **140, 171, 172**.

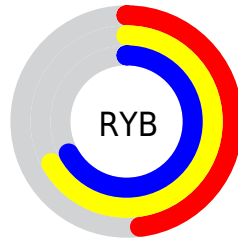
# Distribution



Red (48%)

Green (67%)

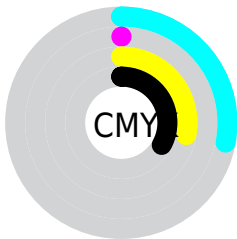
Blue (49%)



Red (48%)

Yellow (67%)

Blue (67%)

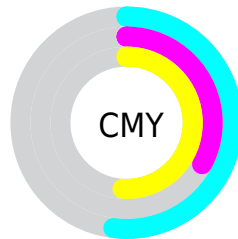


Cyan (28%)

Magenta (0%)

Yellow (28%)

Black (33%)



Cyan (52%)

Magenta (33%)

Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 123, 171, 172 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 123, 171, 172 by changing the saturation by 10% instead.



 123, 171, 172


255, 255, 255


 177, 228, 228

 204, 255, 255

 233, 255, 255

 123, 171, 172

 97, 143, 145

 72, 116, 119


 48, 90, 94

 23, 64, 70

 0, 42, 48

 0, 29, 29


 0, 0, 0

 123, 171, 172


 106, 171, 172

 123, 171, 172


 140, 171, 172


 89, 171, 172


 157, 171, 172


 71, 170, 172


 175, 172, 175


 54, 169, 172


 192, 172, 191

 37, 169, 172

 209, 172, 208

 20, 169, 172

 226, 172, 225

 3, 169, 172

 243, 172, 242

 0, 168, 172

 255, 172, 255

# Harmonies

## Analogous

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



105, 165, 113



123, 171, 172



87, 138, 176

# Triad

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



123, 171, 172



109, 146, 218



218, 139, 139

# Complementary

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



123, 171, 172



172, 123, 171

# 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.



212, 138, 168



123, 171, 172



154, 155, 214

# Square

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



123, 171, 172



66, 126, 206



191, 145, 196



208, 163, 114

# Rectangle

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



123, 171, 172



65, 122, 176



191, 145, 196



218, 138, 148



# Sweetspot

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



123, 171, 172



204, 223, 224



123, 172, 124



100, 112, 112



240, 240, 240



112, 112, 112



# Same Dimension

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



123, 171, 172



148, 222, 224



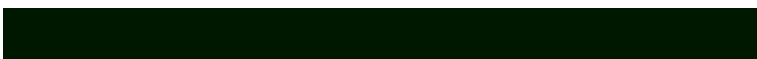
123, 155, 172



78, 87, 87



0, 147, 150



0, 23, 23



# Inverse Universe

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



172, 123, 171



224, 148, 223



172, 123, 147



87, 78, 87



150, 0, 147



23, 0, 22



# Previews

## White Background



This preview shows how the RYB color 123, 171, 172 looks on a white background.

## Color Contrast Check

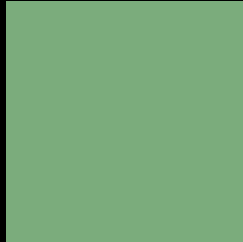
Large Text (above 18pt) WCAG AA × Fail

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 123, 171, 172 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

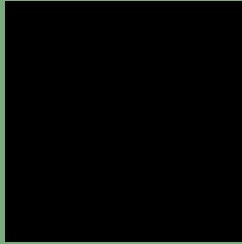
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RYB 123, 171, 172 Background



This preview shows how black text looks on a background with the RYB color 123, 171, 172.

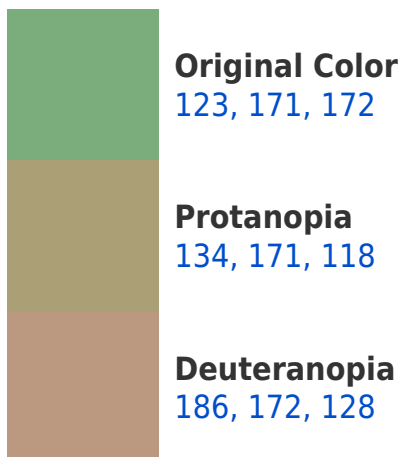



This preview shows how white text looks on a background with the RYB color 123, 171, 172.

# 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**  
133, 152, 178

# Trichromacy



**Original Color**  
123, 171, 172

**Protanomaly**  
120, 164, 130

**Deuteranomaly**  
130, 163, 127

**Tritanomaly**  
129, 151, 168

# Monochromacy



**Original Color**  
123, 171, 172

**Achromatopsia**  
152, 152, 152

**Achromatomaly**  
141, 158, 159

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 123, 171, 172 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(123, 172, 124)` looks like.

```
.text, #text, p{  
    color:rgb(123, 172, 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(123, 172, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 172, 124) }
```

## Border

The CSS property to change the border of an element to RYB 123, 171, 172 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(123, 172, 124) }
```

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

```
.border{ border-color:rgb(123, 172, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 172, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 172, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 172, 124);  
box-shadow:4px 4px 4px 4px rgb(123, 172,  
124) }
```

# Background

The CSS property to change the background color of an element to RYB 123, 171, 172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 172, 124) }
```

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

```
.background{ background-color: rgb(123,  
172, 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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