

# Converting Colors

`RYB(124, 172, 159)`

Have a look what the booklet for  
RYB(124, 172, 159) contains.

<b>RYB(124, 172, 159)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**`RYB(124, 172, 159)`**

# Conversions

## Conversions Part 1

Format	Color
Hex	89AC7C
RGB	137, 172, 124
RGB Percent	54%, 67%, 49%
CMY	0.4627, 0.3255, 0.5137
CMYK	0.20, 0.00, 0.28, 0.33
HSL	104°, 22%, 58%
HSV	104°, 28%, 67%
XYZ	28.7071, 36.2786, 24.5582
YIQ	156.0630, -5.4520, -22.3480

# Conversions

## Conversions Part 2

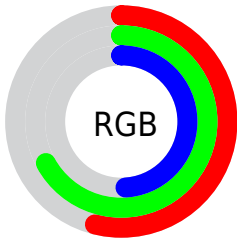
<b>Format</b>	<b>Color</b>
<b>RYB</b>	124, 172, 159
Decimal	9022588
CIELab	66.73, -21.13, 20.90
CIELCh	67, 29.723, 135.321
Yxy	36.2786, 0.3206, 0.4051
Android (android.graphics.Color)	4287212668 (0xFF89AC7C)
YUV	156.0630, -15.8071, -16.7183
Hunter-Lab	60.2318, -20.3304, 17.9880

# Details

The RYB color **124, 172, 159** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **159, 124, 172**, and the grayscale version is **156, 156, 156**.

A 20% lighter version of the original color is **177, 228, 214**, and **75, 120, 109** is the 20% darker color. If you saturate the color by 10%, you get **107, 172, 155**, and if you desaturate by 10%, it is **141, 172, 163**.

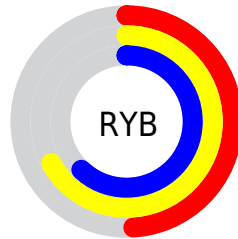
# Distribution



Red (54%)

Green (67%)

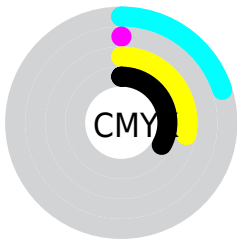
Blue (49%)



Red (49%)

Yellow (67%)

Blue (62%)

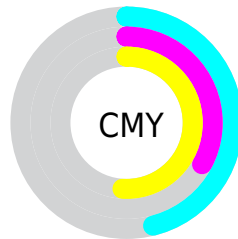


Cyan (20%)

Magenta (0%)

Yellow (28%)

Black (33%)



Cyan (46%)

Magenta (33%)


Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 124, 172, 159 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 124, 172, 159 by changing the saturation by 10% instead.



 124, 172, 159


255, 255, 255


 177, 228, 214

 204, 255, 240

 233, 255, 240

 124, 172, 159

 99, 145, 133

 75, 120, 109


 52, 95, 85


 30, 71, 62


 7, 48, 39


 0, 29, 29


 0, 0, 0

 124, 172, 159


 107, 172, 155

 124, 172, 159


 141, 172, 163


 90, 172, 150


 158, 172, 168


 72, 172, 145


 175, 172, 176


 55, 172, 140

 187, 172, 193

 38, 172, 136

 200, 172, 210

 21, 172, 131


 212, 172, 227

 4, 172, 127

 225, 172, 244

 0, 172, 125

 237, 172, 255

 250, 172, 255

# Harmonies

## Analogous

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



112, 167, 110



124, 172, 159



106, 150, 176

# Triad

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



124, 172, 159



108, 147, 213



216, 143, 149

# Complementary

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



124, 172, 159



159, 124, 172

# 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.



207, 144, 177



124, 172, 159



148, 158, 214

# Square

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



124, 172, 159



78, 132, 199



183, 151, 200



210, 156, 126

# Rectangle

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



124, 172, 159



87, 135, 177



183, 151, 200



214, 142, 158



# Sweetspot

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



124, 172, 159



206, 224, 219



144, 172, 124



101, 112, 109



240, 240, 240



112, 112, 112



# Same Dimension

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



124, 172, 159



150, 224, 204



124, 164, 172



78, 87, 85



0, 150, 109



0, 23, 17



# Inverse Universe

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



159, 124, 172



204, 150, 224



172, 124, 162



84, 78, 87



110, 0, 150



17, 0, 23



# Previews

## White Background



This preview shows how the RYB color 124, 172, 159 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 124, 172, 159 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

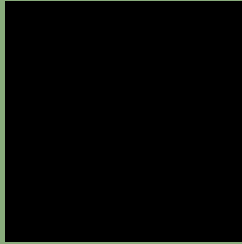
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## RYB 124, 172, 159 Background



This preview shows how black text looks on a background with the RYB color 124, 172, 159.

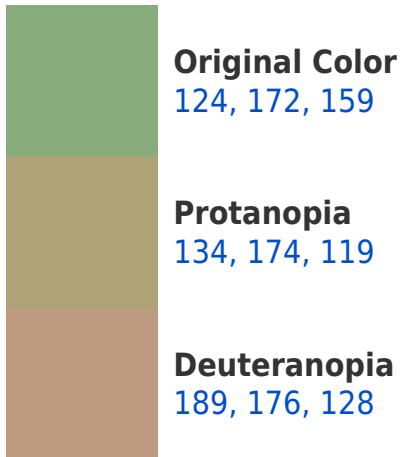


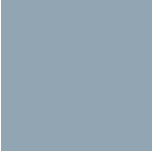
This preview shows how white text looks on a background with the RYB color 124, 172, 159.

# 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](#).

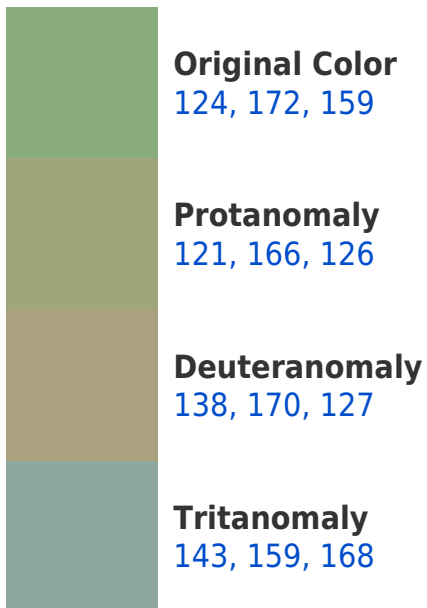
## Dichromacy



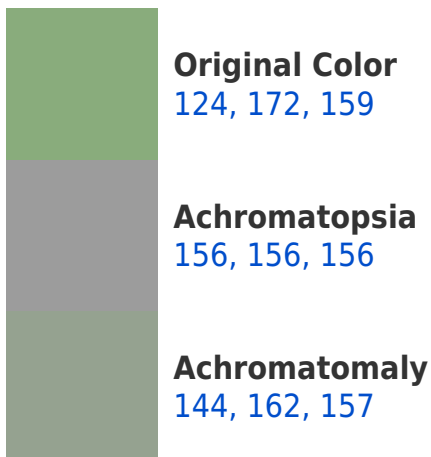


**Tritanopia**  
146, 158, 178

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to RGB 124, 172, 159 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(137, 172, 124) looks like.

```
.text, #text, p{  
    color:rgb(137, 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(137, 172, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 172, 124) }
```

## Border

The CSS property to change the border of an element to RYB 124, 172, 159 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(137, 172, 124) }
```

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

```
.border{ border-color:rgb(137, 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(137, 172, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 172, 124); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 172, 124); box-shadow:4px 4px 4px 4px rgb(137, 172, 124) }
```

# Background

The CSS property to change the background color of an element to RYB 124, 172, 159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 172, 124) }
```

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

```
.background{ background-color: rgb(137,  
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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