

# Converting Colors

`RYB(127, 185, 173)`

Have a look what the booklet for  
RYB(127, 185, 173) contains.

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# Color

**R<sub>Y</sub>B(127, 185, 173)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8BB97F
RGB	139, 185, 127
RGB Percent	55%, 73%, 50%
CMY	0.4549, 0.2745, 0.5020
CMYK	0.25, 0.00, 0.31, 0.27
HSL	108°, 29%, 61%
HSV	108°, 31%, 73%
XYZ	31.8272, 41.7192, 26.4538
YIQ	164.6340, -8.7980, -27.7900

# Conversions

## Conversions Part 2

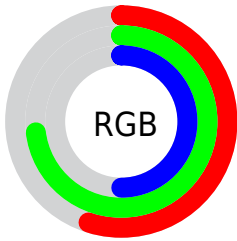
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">127, 185, 173</a>
Decimal	<a href="#">9156991</a>
CIELab	<a href="#">70.68, -26.40, 24.65</a>
CIELCh	<a href="#">71, 36.115, 136.968</a>
Yxy	<a href="#">41.7192, 0.3183, 0.4172</a>
Android (android.graphics.Color)	<a href="#">4287347071 (0xFF8BB97F)</a>
YUV	<a href="#">164.6340, -18.5536, -22.4810</a>
Hunter-Lab	<a href="#">64.5904, -25.0766, 20.9303</a>

# Details

The RYB color **127, 185, 173** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **173, 127, 185**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **180, 241, 227**, and **77, 132, 122** is the 20% darker color. If you saturate the color by 10%, you get **109, 185, 170**, and if you desaturate by 10%, it is **146, 185, 177**.

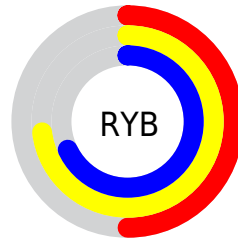
# Distribution



Red (55%)

Green (73%)

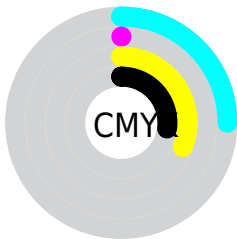
Blue (50%)



Red (50%)

Yellow (73%)

Blue (68%)

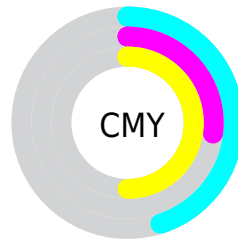


Cyan (25%)

Magenta (0%)

Yellow (31%)

Black (27%)



Cyan (45%)

Magenta (27%)

Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 127, 185, 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 127, 185, 173 by changing the saturation by 10% instead.



 127, 185, 173


255, 255, 255


 180, 241, 227


 208, 255, 241


 236, 255, 240

 127, 185, 173


 102, 158, 147

 77, 132, 122

 54, 106, 97


 31, 82, 75


 9, 58, 54

 0, 37, 37

 0, 5, 5


 0, 0, 0

 127, 185, 173


 127, 185, 173


 109, 185, 170


 146, 185, 177


 90, 185, 165


 164, 185, 181


 72, 185, 162


 183, 185, 185

 53, 185, 158


 198, 185, 201


 35, 185, 154

 212, 185, 220

 16, 185, 150

 227, 185, 238

 0, 185, 147

 242, 185, 255

 255, 185, 255

# Harmonies

## Analogous

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



109, 177, 110



127, 185, 173



98, 154, 190

# Triad

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



127, 185, 173



103, 152, 236



238, 148, 155

# Complementary

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



127, 185, 173



173, 127, 185

# 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.



228, 149, 189



127, 185, 173



156, 168, 236

# Square

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



127, 185, 173



54, 128, 220



200, 158, 218



230, 166, 126

# Rectangle

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



127, 185, 173



70, 133, 191



200, 158, 218



237, 148, 166

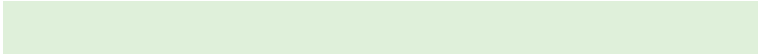


# Sweetspot

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



127, 185, 173



218, 240, 235



144, 185, 127



107, 120, 118



247, 247, 247



120, 120, 120



# Same Dimension

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



127, 185, 173



149, 240, 222



127, 172, 185



83, 92, 90



0, 156, 124



0, 28, 22



# Inverse Universe

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



173, 127, 185



221, 149, 240



185, 127, 169



90, 83, 92



123, 0, 156



22, 0, 28



# Previews

## White Background



This preview shows how the RYB color 127, 185, 173 looks on a white background.

## Color Contrast Check

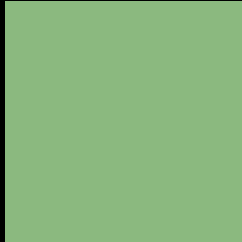
Large Text (above 18pt) WCAG AA × Fail

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 127, 185, 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](#).



## **RYB 127, 185, 173 Background**



This preview shows how black text looks on a background with the RYB color 127, 185, 173.

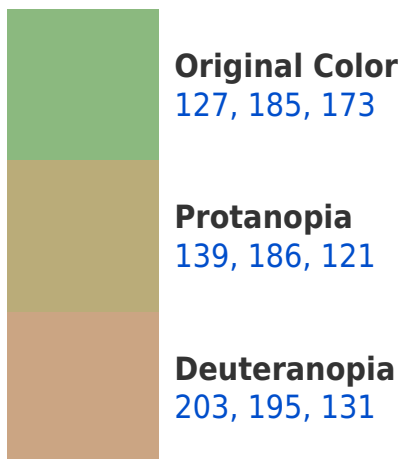


This preview shows how white text looks on a background with the RYB color 127, 185, 173.

# 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





**Tritanopia**  
150, 166, 191

# Trichromacy



**Original Color**  
127, 185, 173

**Protanomaly**  
123, 177, 131

**Deuteranomaly**  
140, 180, 130

**Tritanomaly**  
146, 167, 180

# Monochromacy



**Original Color**  
127, 185, 173

**Achromatopsia**  
165, 165, 165

**Achromatomaly**  
151, 172, 167

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 127, 185, 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(139, 185, 127)` looks like.

```
.text, #text, p{  
    color:rgb(139, 185, 127)  
}
```

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(139, 185, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 185, 127) }
```

## Border

The CSS property to change the border of an element to RYB 127, 185, 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(139, 185, 127) }
```

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

```
.border{ border-color:rgb(139, 185, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 185, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 185, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 185, 127);  
box-shadow:4px 4px 4px 4px rgb(139, 185,  
127) }
```

# Background

The CSS property to change the background color of an element to RYB 127, 185, 173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 185, 127) }
```

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

```
.background{ background-color: rgb(139,  
185, 127) }
```

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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