

Converting Colors

`RYB(117, 188, 174)`

Have a look what the booklet for
RYB(117, 188, 174) contains.

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Color

R_YB(117, 188, 174)

Conversions

Conversions Part 1

Format	Color
Hex	83BC75
RGB	131, 188, 117
RGB Percent	51%, 74%, 46%
CMY	0.4863, 0.2627, 0.5412
CMYK	0.30, 0.00, 0.38, 0.26
HSL	108°, 35%, 60%
HSV	108°, 38%, 74%
XYZ	30.5542, 42.0761, 23.3407
YIQ	162.8630, -11.1810, -34.1650

Conversions

Conversions Part 2

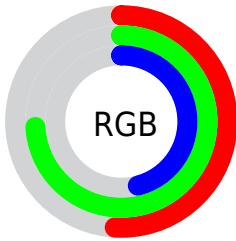
Format	Color
RYB	117, 188, 174
Decimal	8633461
CIELab	70.92, -32.15, 30.17
CIElCh	71, 44.093, 136.822
Yxy	42.0761, 0.3184, 0.4384
Android (android.graphics.Color)	4286823541 (0xFF83BC75)
YUV	162.8630, -22.6105, -27.9439
Hunter-Lab	64.8661, -29.4359, 24.0720

Details

The RYB color **117, 188, 174** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **174, 117, 188**, and the grayscale version is **163, 163, 163**.

A 20% lighter version of the original color is **170, 245, 229**, and **68, 134, 123** is the 20% darker color. If you saturate the color by 10%, you get **98, 188, 170**, and if you desaturate by 10%, it is **136, 188, 178**.

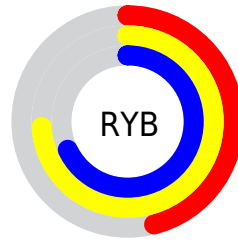
Distribution



Red (51%)

Green (74%)

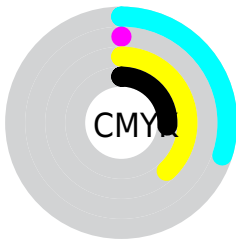
Blue (46%)



Red (46%)

Yellow (74%)

Blue (68%)

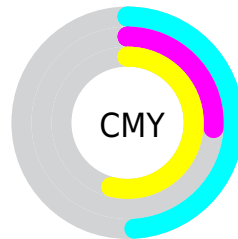


Cyan (30%)

Magenta (0%)

Yellow (38%)

Black (26%)



Cyan (49%)

Magenta (26%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 117, 188, 174 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 117, 188, 174 by changing the saturation by 10% instead.

 117, 188, 174


255, 255, 255

 170, 245, 229


 197, 255, 238


 225, 255, 237


254, 255, 254

 117, 188, 174

 117, 188, 174

 92, 161, 148

 68, 134, 123

 44, 109, 100

 21, 84, 78


 0, 60, 60

 0, 39, 39


 0, 6, 6

 0, 0, 0


 117, 188, 174

 98, 188, 170


 136, 188, 178


 79, 188, 166


 155, 188, 182


 61, 188, 163

 173, 188, 185

 42, 188, 159

 191, 188, 192

 23, 188, 155

 206, 188, 211

 4, 188, 152

 222, 188, 230

 0, 188, 151

 237, 188, 249

 252, 188, 255

 255, 188, 255

Harmonies

Analogous

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



95, 178, 97



117, 188, 174



73, 145, 193

Triad

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



117, 188, 174



70, 140, 251



251, 142, 152

Complementary

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



117, 188, 174



174, 117, 188

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.



240, 143, 193



117, 188, 174



150, 167, 250

Square

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



117, 188, 174



0, 105, 231



206, 155, 229



241, 164, 117

Rectangle

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



117, 188, 174



0, 101, 195



206, 155, 229



250, 141, 166

Sweetspot

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



117, 188, 174



218, 245, 240



134, 188, 117



106, 122, 118



250, 250, 250



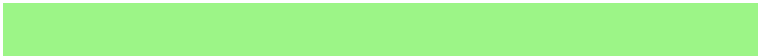
122, 122, 122

Same Dimension

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



117, 188, 174



135, 245, 224



117, 172, 188



85, 94, 92



0, 158, 127



0, 31, 25

Inverse Universe

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



174, 117, 188



223, 135, 245



188, 117, 167



92, 85, 94



127, 0, 158



25, 0, 31

Previews

White Background



This preview shows how the RYB color 117, 188, 174 looks on a white background.

Color Contrast Check

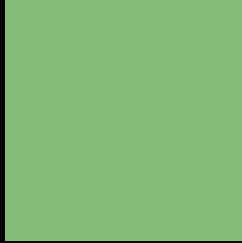
Large Text (above 18pt) WCAG AA × Fail

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 117, 188, 174 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 117, 188, 174 Background



This preview shows how black text looks on a background with the RYB color 117, 188, 174.

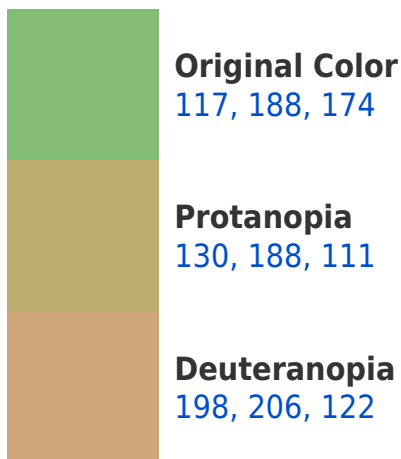


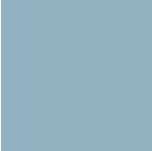
This preview shows how white text looks on a background with the RYB color 117, 188, 174.

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
144, 164, 193

Trichromacy



Original Color
117, 188, 174

Protanomaly
113, 178, 124

Deuteranomaly
125, 179, 120

Tritanomaly
139, 166, 182

Monochromacy



Original Color
117, 188, 174

Achromatopsia
163, 163, 163

Achromatomaly
146, 172, 167

CSS Examples

Text

The CSS property to change the color of the text to RYB 117, 188, 174 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(131, 188, 117)` looks like.

```
.text, #text, p{  
    color:rgb(131, 188, 117)  
}
```

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(131, 188, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 188, 117) }
```

Border

The CSS property to change the border of an element to RYB 117, 188, 174 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(131, 188, 117) }
```

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

```
.border{ border-color:rgb(131, 188, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 188, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 188, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 188, 117);  
box-shadow:4px 4px 4px 4px rgb(131, 188,  
117) }
```

Background

The CSS property to change the background color of an element to RYB 117, 188, 174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 188, 117) }
```

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

```
.background{ background-color: rgb(131,  
188, 117) }
```

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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