

Converting Colors

`RYB(118, 186, 173)`

Have a look what the booklet for
RYB(118, 186, 173) contains.

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Color

R_YB(118, 186, 173)

Conversions

Conversions Part 1

Format	Color
Hex	83BA76
RGB	131, 186, 118
RGB Percent	51%, 73%, 46%
CMY	0.4863, 0.2706, 0.5373
CMYK	0.30, 0.00, 0.37, 0.27
HSL	109°, 33%, 60%
HSV	109°, 37%, 73%
XYZ	30.1890, 41.2511, 23.5107
YIQ	161.8030, -10.9520, -32.8080

Conversions

Conversions Part 2

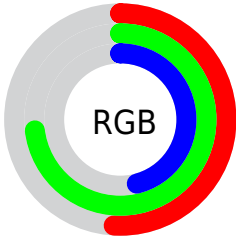
Format	Color
RYB	118, 186, 173
Decimal	8632950
CIELab	70.35, -31.06, 28.90
CIELCh	70, 42.422, 137.066
Yxy	41.2511, 0.3179, 0.4344
Android (android.graphics.Color)	4286823030 (0xFF83BA76)
YUV	161.8030, -21.5949, -27.0142
Hunter-Lab	64.2270, -28.4959, 23.2555

Details

The RYB color **118, 186, 173** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **173, 118, 186**, and the grayscale version is **162, 162, 162**.

A 20% lighter version of the original color is **171, 242, 227**, and **69, 132, 122** is the 20% darker color. If you saturate the color by 10%, you get **99, 186, 169**, and if you desaturate by 10%, it is **137, 186, 177**.

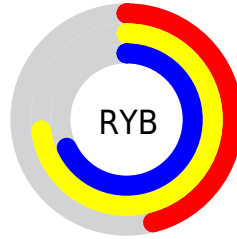
Distribution



Red (51%)

Green (73%)

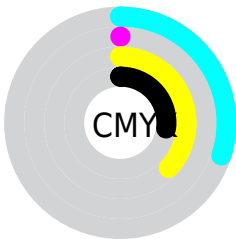
Blue (46%)



Red (46%)

Yellow (73%)

Blue (68%)

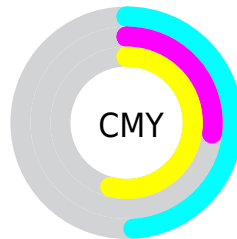


Cyan (30%)

Magenta (0%)

Yellow (37%)

Black (27%)



Cyan (49%)

Magenta (27%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 118, 186, 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 118, 186, 173 by changing the saturation by 10% instead.


 118, 186, 173


255, 255, 255


 171, 242, 227

 198, 255, 239

 226, 255, 238

 118, 186, 173


 93, 159, 147

 69, 132, 122

 45, 107, 98

 22, 82, 76


 0, 59, 59


 0, 37, 37


 0, 2, 2


 0, 0, 0

 118, 186, 173


 118, 186, 173

 99, 186, 169


 137, 186, 177


 81, 186, 166


 155, 186, 180

 62, 186, 162

 174, 186, 184


 44, 186, 159

 191, 186, 192


 25, 186, 155


 206, 186, 211

 6, 186, 151

 221, 186, 230

 0, 186, 150

 236, 186, 248

 251, 186, 255

 255, 186, 255

Harmonies

Analogous

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



97, 177, 99



118, 186, 173



77, 145, 191

Triad

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



118, 186, 173



77, 142, 247



247, 142, 151

Complementary

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



118, 186, 173



173, 118, 186

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.



236, 143, 190



118, 186, 173



150, 165, 246

Square

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



118, 186, 173



0, 103, 227



204, 154, 225



237, 164, 117

Rectangle

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



118, 186, 173



13, 106, 192



204, 154, 225



245, 141, 164

Sweetspot

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



118, 186, 173



216, 242, 237



136, 186, 118



106, 122, 118



250, 250, 250



122, 122, 122

Same Dimension

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



118, 186, 173



136, 242, 222



118, 171, 186



83, 92, 91



0, 156, 126



0, 28, 23

Inverse Universe

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



173, 118, 186



222, 136, 242



186, 118, 166



90, 83, 92



126, 0, 156



23, 0, 28

Previews

White Background



This preview shows how the RYB color 118, 186, 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 118, 186, 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 118, 186, 173 Background



This preview shows how black text looks on a background with the RYB color 118, 186, 173.



This preview shows how white text looks on a background with the RYB color 118, 186, 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](#).

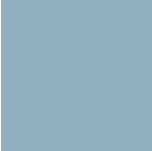
Dichromacy



Original Color
[118, 186, 173](#)

Protanopia
[131, 186, 112](#)

Deuteranopia
[199, 203, 123](#)



Tritanopia
144, 163, 191

Trichromacy



Original Color

118, 186, 173

Protanomaly

114, 176, 124

Deuteranomaly

126, 177, 121

Tritanomaly

139, 164, 180

Monochromacy



Original Color

118, 186, 173

Achromatopsia

162, 162, 162

Achromatomaly

146, 171, 166

CSS Examples

Text

The CSS property to change the color of the text to RYB 118, 186, 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(131, 186, 118)` looks like.

```
.text, #text, p{  
    color:rgb(131, 186, 118)  
}
```

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, 186, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 186, 118) }
```

Border

The CSS property to change the border of an element to RYB 118, 186, 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(131, 186, 118) }
```

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

```
.border{ border-color:rgb(131, 186, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 186, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 186, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 186, 118);  
box-shadow:4px 4px 4px 4px rgb(131, 186,  
118) }
```

Background

The CSS property to change the background color of an element to RYB 118, 186, 173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 186, 118) }
```

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

```
.background{ background-color: rgb(131,  
186, 118) }
```

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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