

Converting Colors

`RYB(123, 245, 185)`

Have a look what the booklet for
RYB(123, 245, 185) contains.

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Color

R_YB(123, 245, 185)

Conversions

Conversions Part 1

Format	Color
Hex	B7F57B
RGB	183, 245, 123
RGB Percent	72%, 96%, 48%
CMY	0.2824, 0.0392, 0.5176
CMYK	0.25, 0.00, 0.50, 0.04
HSL	90°, 86%, 72%
HSV	90°, 50%, 96%
XYZ	55.7560, 76.8022, 30.6245
YIQ	212.5540, 2.2100, -51.0860

Conversions

Conversions Part 2

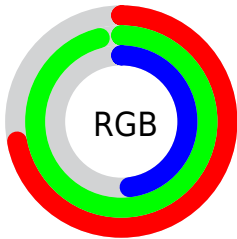
Format	Color
RYB	123, 245, 185
Decimal	12055931
CIELab	90.23, -39.33, 52.12
CIElCh	90, 65.294, 127.042
Yxy	76.8022, 0.3417, 0.4707
Android (android.graphics.Color)	4290246011 (0xFFB7F57B)
YUV	212.5540, -44.1501, -25.9189
Hunter-Lab	87.6368, -39.7998, 40.6270

Details

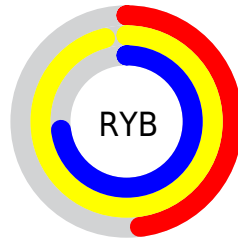
The RYB color **123, 245, 185** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **185, 123, 245**, and the grayscale version is **213, 213, 213**.

A 20% lighter version of the original color is **178, 255, 192**, and **70, 188, 131** is the 20% darker color. If you saturate the color by 10%, you get **98, 245, 172**, and if you desaturate by 10%, it is **147, 245, 197**.

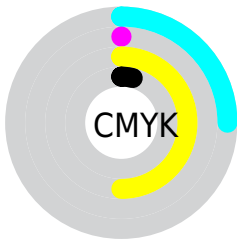
Distribution



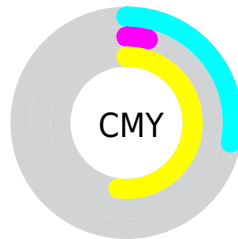
- Red (72%)
- Green (96%)
- Blue (48%)



- Red (48%)
- Yellow (96%)
- Blue (73%)



- Cyan (25%)
- Magenta (0%)
- Yellow (50%)
- Black (4%)



- Cyan (28%)
- Magenta (4%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the RYB color 123, 245, 185 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, 245, 185 by changing the saturation by 10% instead.

 123, 245, 185

255, 255, 255

 178, 255, 192


 206, 255, 206


 235, 255, 235

 123, 245, 185


 96, 216, 157


 70, 188, 131


 43, 161, 104

 9, 135, 72

 0, 109, 65

 0, 84, 73

 0, 60, 60

 0, 39, 39

 0, 2, 2

 123, 245, 185

 123, 245, 185

 98, 245, 172

 147, 245, 197


 74, 245, 161

 172, 245, 209

 49, 245, 148

 196, 245, 221

 25, 245, 137

 221, 245, 233

 0, 245, 124

 245, 245, 246

 0, 245, 125

 255, 245, 255

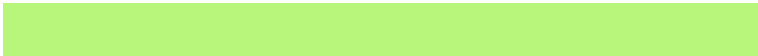
Harmonies

Analogous

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



121, 249, 97



123, 245, 185



91, 199, 255

Triad

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



123, 245, 185



0, 125, 255



255, 173, 215

Complementary

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



123, 245, 185



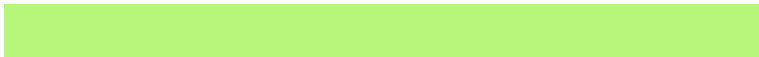
185, 123, 245

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.



255, 182, 255



123, 245, 185



143, 192, 255

Square

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



123, 245, 185



0, 128, 255



251, 205, 255



255, 196, 155

Rectangle

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



123, 245, 185



0, 137, 255



251, 205, 255



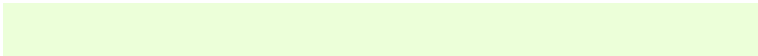
255, 174, 236

Sweetspot

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



123, 245, 185



217, 255, 236



245, 245, 123



105, 128, 117



0, 0, 0



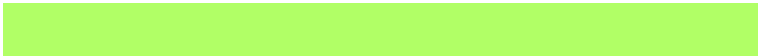
128, 128, 128

Same Dimension

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



123, 245, 185



102, 255, 180



123, 245, 245



110, 122, 116



0, 186, 94



0, 59, 30

Inverse Universe

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



185, 123, 245



180, 102, 255



245, 123, 245



116, 110, 122



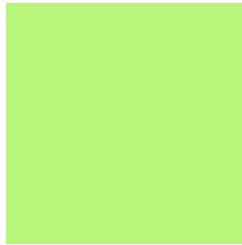
95, 0, 186



30, 0, 59

Previews

White Background



This preview shows how the RYB color 123, 245, 185 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, 245, 185 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, 245, 185 Background



This preview shows how black text looks on a background with the RYB color 123, 245, 185.

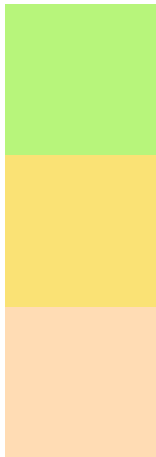


This preview shows how white text looks on a background with the RYB color 123, 245, 185.

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
123, 245, 185

Protanopia
146, 250, 117

Deuteranopia
246, 255, 180



Tritanopia
201, 219, 249

Trichromacy



Original Color

123, 245, 185



Protanomaly

119, 233, 126



Deuteranomaly

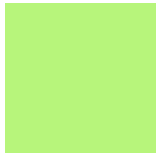
159, 229, 159



Tritanomaly

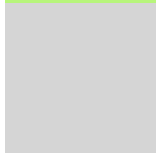
194, 229, 236

Monochromacy



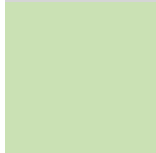
Original Color

123, 245, 185



Achromatopsia

213, 213, 213



Achromatomaly

180, 225, 203

CSS Examples

Text

The CSS property to change the color of the text to RYB 123, 245, 185 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(183, 245, 123)` looks like.

```
.text, #text, p{  
    color:rgb(183, 245, 123)  
}
```

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(183, 245, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 245, 123) }
```

Border

The CSS property to change the border of an element to RYB 123, 245, 185 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(183, 245, 123) }
```

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

```
.border{ border-color:rgb(183, 245, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 245, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 245, 123); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 245, 123); box-shadow:4px 4px 4px 4px rgb(183, 245, 123) }
```

Background

The CSS property to change the background color of an element to RYB 123, 245, 185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 245, 123) }
```

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

```
.background{ background-color: rgb(183,  
245, 123) }
```

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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