

Converting Colors

`RYB(163, 245, 189)`

Have a look what the booklet for
RYB(163, 245, 189) contains.

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Color

R_YB(163, 245, 189)

Conversions

Conversions Part 1

Format	Color
Hex	DBF5A3
RGB	219, 245, 163
RGB Percent	86%, 96%, 64%
CMY	0.1412, 0.0392, 0.3608
CMYK	0.11, 0.00, 0.33, 0.04
HSL	79°, 80%, 80%
HSV	79°, 33%, 96%
XYZ	68.4767, 83.0092, 47.0636
YIQ	227.8780, 10.8260, -31.0140

Conversions

Conversions Part 2

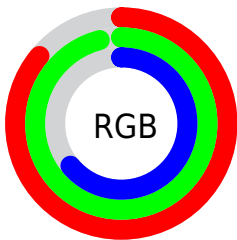
Format	Color
RYB	163, 245, 189
Decimal	14415267
CIELab	93.02, -21.67, 36.74
CIELCh	93, 42.660, 120.534
Yxy	83.0092, 0.3449, 0.4181
Android (android.graphics.Color)	4292605347 (0xFFDBF5A3)
YUV	227.8780, -31.9849, -7.7860
Hunter-Lab	91.1094, -25.2831, 33.1496

Details

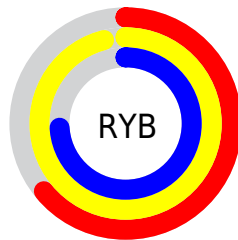
The RYB color **163, 245, 189** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **189, 163, 245**, and the grayscale version is **228, 228, 228**.

A 20% lighter version of the original color is **219, 255, 219**, and **110, 189, 136** is the 20% darker color. If you saturate the color by 10%, you get **139, 245, 173**, and if you desaturate by 10%, it is **187, 245, 205**.

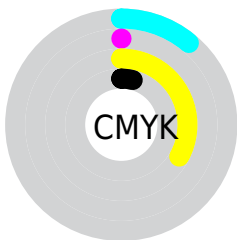
Distribution



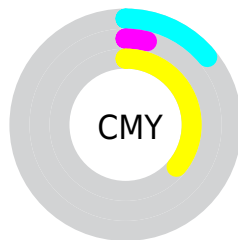
- Red (86%)
- Green (96%)
- Blue (64%)



- Red (64%)
- Yellow (96%)
- Blue (74%)



- Cyan (11%)
- Magenta (0%)
- Yellow (33%)
- Black (4%)



- Cyan (14%)
- Magenta (4%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 163, 245, 189 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 163, 245, 189 by changing the saturation by 10% instead.

 163, 245, 189


255, 255, 255


 219, 255, 219


 247, 255, 247

 163, 245, 189

 136, 217, 162

 110, 189, 136

 85, 162, 111


 61, 135, 86

 36, 110, 62

 10, 85, 35

 0, 62, 26

 0, 40, 30

 0, 18, 18

 163, 245, 189

 163, 245, 189

 139, 245, 173

 187, 245, 205

 114, 245, 156

 212, 245, 222

 90, 245, 139

 236, 245, 239

 65, 245, 122

 250, 245, 255

 41, 245, 106

 255, 245, 255

 16, 245, 89

 0, 245, 78

Harmonies

Analogous

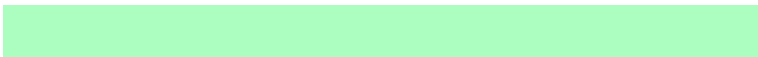
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



180, 255, 152



163, 245, 189



171, 236, 253

Triad

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



163, 245, 189



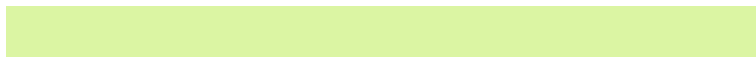
117, 185, 255



255, 204, 236

Complementary

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



163, 245, 189



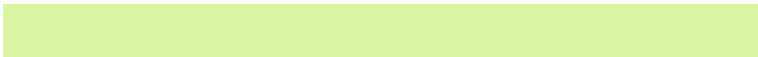
189, 163, 245

Split Complementary

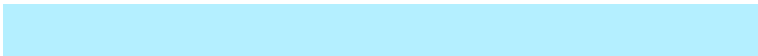
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 211, 255



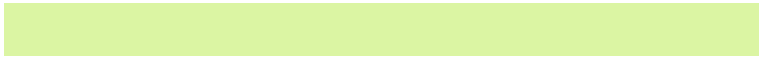
163, 245, 189



180, 213, 255

Square

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



163, 245, 189



90, 173, 255



241, 224, 255



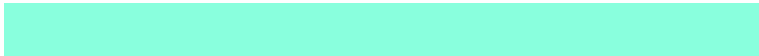
255, 210, 195

Rectangle

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



163, 245, 189



137, 206, 255



241, 224, 255



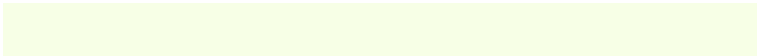
255, 205, 250

Sweetspot

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



163, 245, 189



230, 255, 238



245, 201, 163



112, 128, 117



0, 0, 0



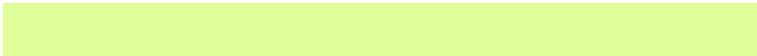
128, 128, 128

Same Dimension

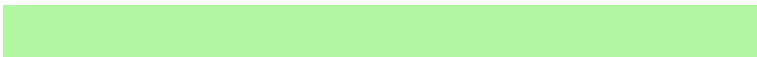
The Same Dimension uses a secret algorithm to generate beautiful new colors.



163, 245, 189



153, 255, 185



163, 245, 230



110, 122, 113



0, 186, 59



0, 59, 19

Inverse Universe

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



189, 163, 245



185, 153, 255



230, 163, 245



114, 110, 122



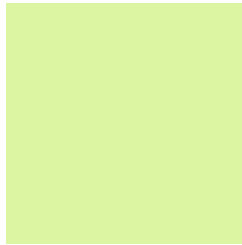
59, 0, 186



19, 0, 59

Previews

White Background



This preview shows how the RYB color 163, 245, 189 looks on a white background.

Color Contrast Check

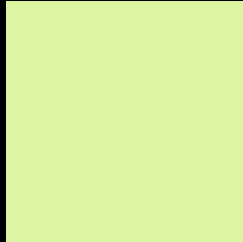
Large Text (above 18pt) WCAG AA × Fail

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 163, 245, 189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

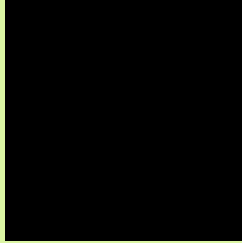
Any Text WCAG AA ✓ Pass

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 163, 245, 189 Background



This preview shows how black text looks on a background with the RYB color 163, 245, 189.

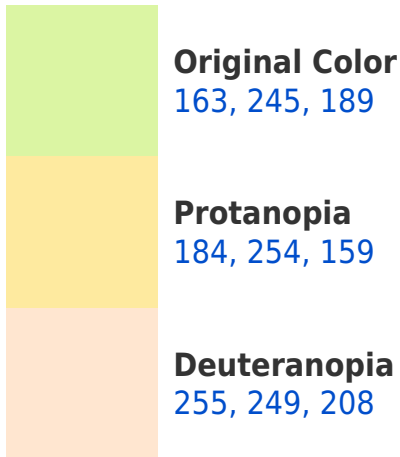


This preview shows how white text looks on a background with the RYB color 163, 245, 189.

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





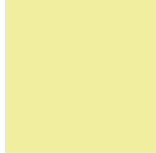
Tritanopia
231, 234, 252

Trichromacy



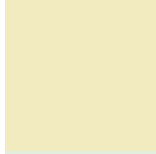
Original Color

163, 245, 189



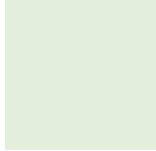
Protanomaly

163, 241, 160



Deuteranomaly

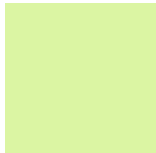
200, 242, 192



Tritanomaly

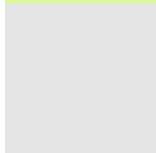
220, 238, 231

Monochromacy



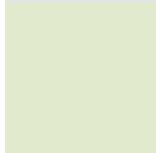
Original Color

163, 245, 189



Achromatopsia

228, 228, 228



Achromatomaly

204, 234, 213

CSS Examples

Text

The CSS property to change the color of the text to RYB 163, 245, 189 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(219, 245, 163)` looks like.

```
.text, #text, p{  
    color:rgb(219, 245, 163)  
}
```

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(219, 245, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 245, 163) }
```

Border

The CSS property to change the border of an element to RYB 163, 245, 189 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(219, 245, 163) }
```

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

```
.border{ border-color:rgb(219, 245, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 245, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 245, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 245, 163);  
box-shadow:4px 4px 4px 4px rgb(219, 245,  
163) }
```

Background

The CSS property to change the background color of an element to RYB 163, 245, 189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 245, 163) }
```

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

```
.background{ background-color: rgb(219,  
245, 163) }
```

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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