

# Converting Colors

`RYB(152, 235, 164)`

Have a look what the booklet for  
RYB(152, 235, 164) contains.

<b>RYB(152, 235, 164)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**R<sub>Y</sub>B(152, 235, 164)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFEB98
RGB	223, 235, 152
RGB Percent	87%, 92%, 60%
CMY	0.1255, 0.0784, 0.4039
CMYK	0.05, 0.00, 0.35, 0.08
HSL	69°, 67%, 76%
HSV	69°, 35%, 92%
XYZ	65.8073, 77.3716, 41.1716
YIQ	221.9500, 19.4910, -28.3570

# Conversions

## Conversions Part 2

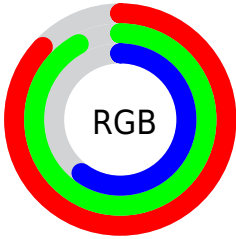
Format	Color
<b>RYB</b>	152, 235, 164
Decimal	14674840
CIELab	90.49, -16.69, 38.98
CIELCh	90, 42.404, 113.174
Yxy	77.3716, 0.3570, 0.4197
Android (android.graphics.Color)	4292864920 (0xFFDFEB98)
YUV	221.9500, -34.4853, 0.9209
Hunter-Lab	87.9611, -20.3890, 33.8212

# Details

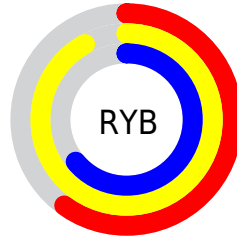
The RYB color **152, 235, 164** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **164, 152, 235**, and the grayscale version is **222, 222, 222**.

A 20% lighter version of the original color is **207, 255, 207**, and **100, 179, 112** is the 20% darker color. If you saturate the color by 10%, you get **129, 235, 144**, and if you desaturate by 10%, it is **176, 235, 185**.

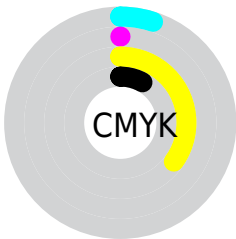
# Distribution



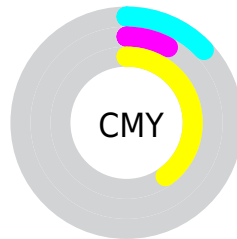
- Red (87%)
- Green (92%)
- Blue (60%)



- Red (60%)
- Yellow (92%)
- Blue (64%)



- Cyan (5%)
- Magenta (0%)
- Yellow (35%)
- Black (8%)



- Cyan (13%)
- Magenta (8%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 152, 235, 164 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 152, 235, 164 by changing the saturation by 10% instead.



 152, 235, 164


255, 255, 255

 207, 255, 207

 236, 255, 236

 152, 235, 164

 126, 207, 138

 100, 179, 112

 75, 153, 88

 50, 127, 64

 26, 102, 41

 0, 78, 15

 0, 55, 16

 0, 33, 19

 0, 3, 3

 152, 235, 164

 152, 235, 164

 129, 235, 144

 176, 235, 185

 105, 235, 124

 199, 235, 204

 82, 235, 104

 223, 235, 225

 58, 235, 84

 237, 235, 246

 35, 235, 64

 240, 235, 255

 11, 235, 43

 243, 235, 255

 0, 235, 34

 247, 235, 255

 250, 235, 255

 254, 235, 255

# Harmonies

## Analogous

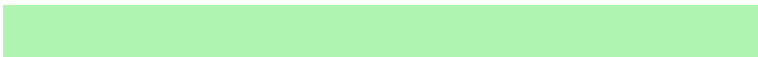
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



195, 255, 147



152, 235, 164



176, 242, 244

# Triad

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



152, 235, 164



97, 173, 255



255, 198, 239

# Complementary

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



152, 235, 164



164, 152, 235

# Split Complementary

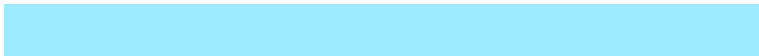
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 206, 255



152, 235, 164



157, 200, 255

# Square

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



152, 235, 164



85, 168, 255



220, 221, 255



255, 198, 198

# Rectangle

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



152, 235, 164



143, 210, 248



220, 221, 255



255, 200, 252



# Sweetspot

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



152, 235, 164



227, 255, 231



235, 165, 152



111, 128, 114



0, 0, 0



128, 128, 128



# Same Dimension

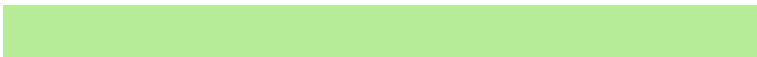
The Same Dimension uses a secret algorithm to generate beautiful new colors.



152, 235, 164



148, 255, 163



152, 235, 205



106, 117, 107



0, 181, 26



0, 54, 8



# Inverse Universe

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



164, 152, 235



163, 148, 255



205, 152, 235



107, 106, 117



26, 0, 181



8, 0, 54



# Previews

## White Background



This preview shows how the RYB color 152, 235, 164 looks on a white background.

## Color Contrast Check

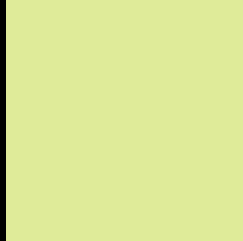
Large Text (above 18pt) WCAG AA × Fail

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 152, 235, 164 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

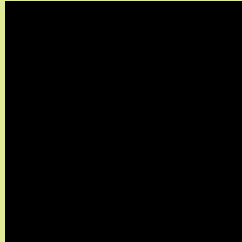
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

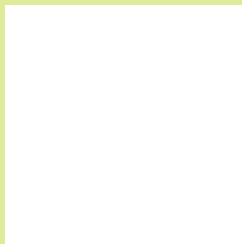
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RYP 152, 235, 164 Background



This preview shows how black text looks on a background with the RYP color 152, 235, 164.

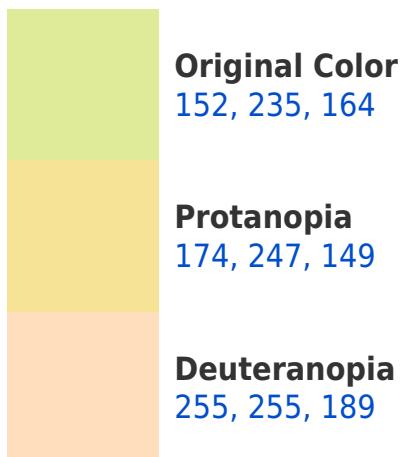


This preview shows how white text looks on a background with the RYP color 152, 235, 164.

# 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](#).

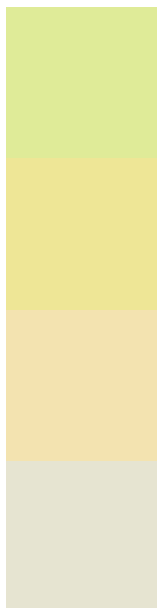
## Dichromacy





**Tritanopia**  
234, 224, 242

# Trichromacy



**Original Color**

152, 235, 164

**Protanomaly**

159, 238, 150

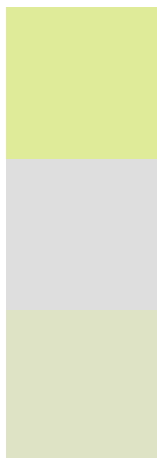
**Deuteranomaly**

197, 243, 176

**Tritanomaly**

211, 230, 209

# Monochromacy



**Original Color**

152, 235, 164

**Achromatopsia**

222, 222, 222

**Achromatomaly**

197, 227, 202

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 152, 235, 164 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(223, 235, 152)` looks like.

```
.text, #text, p{  
    color:rgb(223, 235, 152)  
}
```

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(223, 235, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 235, 152) }
```

## Border

The CSS property to change the border of an element to RYB 152, 235, 164 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(223, 235, 152) }
```

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

```
.border{ border-color:rgb(223, 235, 152) }
```

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

Here you see how a box with a 4 pixel rgb(223, 235, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 235, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 235, 152);  
box-shadow:4px 4px 4px 4px rgb(223, 235,  
152) }
```

# Background

The CSS property to change the background color of an element to RYB 152, 235, 164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 235, 152) }
```

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

```
.background{ background-color: rgb(223,  
235, 152) }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor