

Converting Colors

`RYB(163, 255, 163)`

Have a look what the booklet for
RYB(163, 255, 163) contains.

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Color

R_YB(163, 255, 163)

Conversions

Conversions Part 1

Format	Color
Hex	FFFFA3
RGB	255, 255, 163
RGB Percent	100%, 100%, 64%
CMY	0.0000, 0.0000, 0.3608
CMYK	0.00, 0.00, 0.36, 0.00
HSL	60°, 100%, 82%
HSV	60°, 36%, 100%
XYZ	83.6109, 95.4243, 48.6623
YIQ	244.5120, 29.5320, -28.6120

Conversions

Conversions Part 2

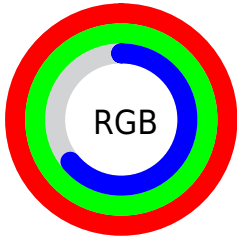
Format	Color
R _Y B	163, 255, 163
Decimal	16777123
CIE Lab	98.20, -13.17, 43.99
CIE LCh	98, 45.919, 106.668
Yxy	95.4243, 0.3672, 0.4191
Android (android.graphics.Color)	4294967203 (0xFFFFFFFFA3)
YUV	244.5120, -40.1854, 9.1980
Hunter-Lab	97.6854, -18.1677, 38.8443

Details

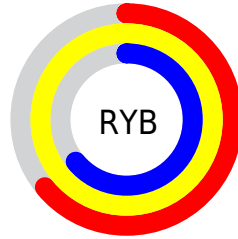
The RYB color **163, 255, 163** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **163, 163, 255**, and the grayscale version is **245, 245, 245**.

A 20% lighter version of the original color is **219, 255, 219**, and **110, 198, 111** is the 20% darker color. If you saturate the color by 10%, you get **137, 255, 137**, and if you desaturate by 10%, it is **188, 255, 188**.

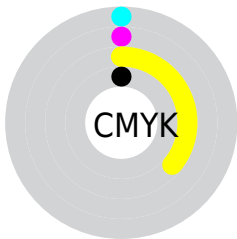
Distribution



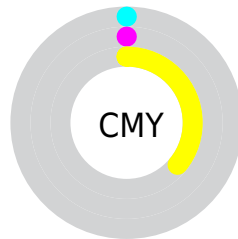
- Red (100%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (64%)



- Cyan (0%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)



- Cyan (0%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 163, 255, 163 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, 255, 163 by changing the saturation by 10% instead.

 163, 255, 163


255, 255, 255

 219, 255, 219

 248, 255, 248


 163, 255, 163

 136, 226, 136

 110, 198, 111

 84, 171, 86

 59, 145, 63

 34, 119, 38

 4, 94, 9

 0, 71, 7

 0, 49, 10

 0, 28, 16

 163, 255, 163

 163, 255, 163

 137, 255, 137

 188, 255, 188

 112, 255, 112

 214, 255, 214

 86, 255, 86

 239, 255, 239

 61, 255, 61

255, 255, 255

 35, 255, 35

 10, 255, 10

 0, 255, 0

Harmonies

Analogous

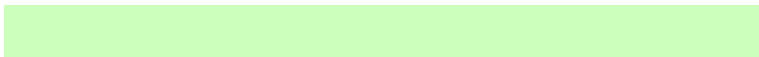
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



181, 255, 163



163, 255, 163



187, 255, 238

Triad

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



163, 255, 163



95, 175, 255



255, 218, 255

Complementary

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



163, 255, 163



163, 163, 255

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, 229, 255



163, 255, 163



155, 205, 255

Square

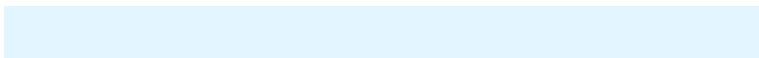
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



163, 255, 163



99, 177, 255



227, 238, 255



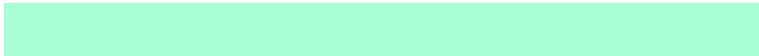
255, 216, 226

Rectangle

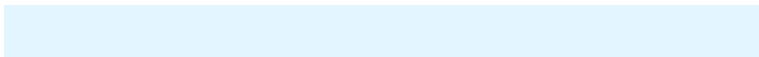
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



163, 255, 163



168, 225, 255



227, 238, 255



255, 221, 255

Sweetspot

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



163, 255, 163



227, 255, 227



255, 163, 163



111, 128, 111



0, 0, 0



128, 128, 128

Same Dimension

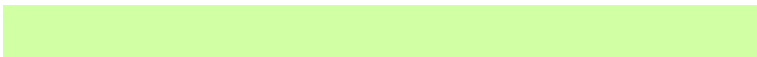
The Same Dimension uses a secret algorithm to generate beautiful new colors.



163, 255, 163



145, 255, 145



163, 255, 209



115, 128, 115



0, 191, 0



0, 64, 0

Inverse Universe

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



163, 163, 255



145, 145, 255



209, 163, 255



115, 115, 128



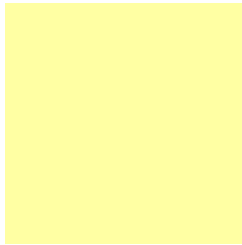
0, 0, 191



0, 0, 64

Previews

White Background



This preview shows how the RYB color 163, 255, 163 looks on a white background.

Color Contrast Check

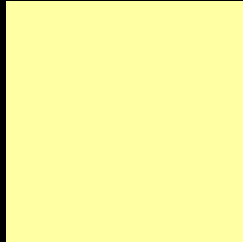
Large Text (above 18pt) WCAG AA × Fail

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, 255, 163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

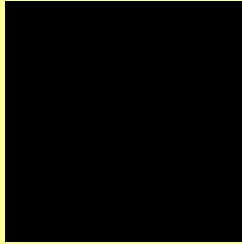
Any Text WCAG AA ✓ Pass

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, 255, 163 Background



This preview shows how black text looks on a background with the RYB color 163, 255, 163.



This preview shows how white text looks on a background with the RYB color 163, 255, 163.

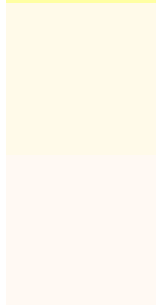
Color Blindness Simulation

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
163, 255, 163



Protanopia
239, 255, 233

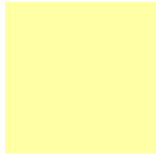
Deuteranopia
255, 255, 243



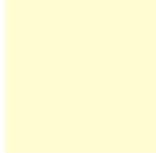
Tritanopia

255, 248, 254

Trichromacy



Original Color
163, 255, 163



Protanomaly
211, 255, 208

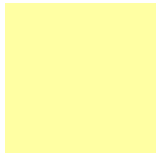


Deuteranomaly
218, 255, 214

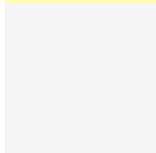


Tritanomaly
226, 255, 221

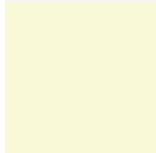
Monochromacy



Original Color
163, 255, 163



Achromatopsia
245, 245, 245



Achromatomaly
215, 249, 215

CSS Examples

Text

The CSS property to change the color of the text to RYB 163, 255, 163 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(255, 255, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 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(255, 255, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 163) }
```

Border

The CSS property to change the border of an element to RYB 163, 255, 163 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(255, 255, 163) }
```

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

```
.border{ border-color:rgb(255, 255, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 255, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
163) }
```

Background

The CSS property to change the background color of an element to RYB 163, 255, 163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 255, 163) }
```

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

```
.background{ background-color: rgb(255,  
255, 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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