

Converting Colors

`RYB(163, 227, 163)`

Have a look what the booklet for
RYB(163, 227, 163) contains.

RYB(163, 227, 163)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(163, 227, 163)

Conversions

Conversions Part 1

Format	Color
Hex	E3E3A3
RGB	227, 227, 163
RGB Percent	89%, 89%, 64%
CMY	0.1098, 0.1098, 0.3608
CMYK	0.00, 0.00, 0.28, 0.11
HSL	60°, 53%, 76%
HSV	60°, 28%, 89%
XYZ	65.7585, 73.9134, 45.4512
YIQ	219.7040, 20.5440, -19.9040

Conversions

Conversions Part 2

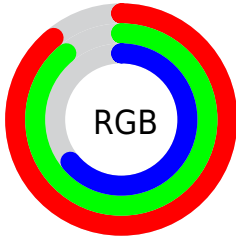
Format	Color
RYB	163, 227, 163
Decimal	14934947
CIELab	88.88, -9.85, 31.36
CIElCh	89, 32.870, 107.442
Yxy	73.9134, 0.3552, 0.3993
Android (android.graphics.Color)	4293125027 (0xFFE3E3A3)
YUV	219.7040, -27.9551, 6.3986
Hunter-Lab	85.9729, -13.9225, 28.8363

Details

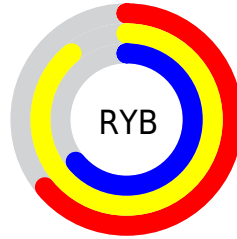
The RYB color **163, 227, 163** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **163, 163, 227**, and the grayscale version is **220, 220, 220**.

A 20% lighter version of the original color is **218, 255, 218**, and **111, 172, 112** is the 20% darker color. If you saturate the color by 10%, you get **140, 227, 140**, and if you desaturate by 10%, it is **186, 227, 186**.

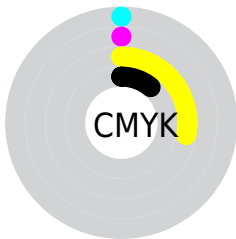
Distribution



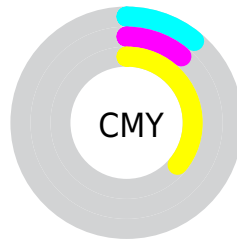
- Red (89%)
- Green (89%)
- Blue (64%)



- Red (64%)
- Yellow (89%)
- Blue (64%)



- Cyan (0%)
- Magenta (0%)
- Yellow (28%)
- Black (11%)



- Cyan (11%)
- Magenta (11%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 163, 227, 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, 227, 163 by changing the saturation by 10% instead.


 163, 227, 163


255, 255, 255


 218, 255, 218

 247, 255, 247

 163, 227, 163

 136, 199, 136

 111, 172, 112

 86, 145, 87

 62, 120, 64

 38, 95, 41

 15, 71, 19

 0, 49, 4

 0, 28, 7

 0, 0, 0

 163, 227, 163

 163, 227, 163

 140, 227, 140

 186, 227, 186

 118, 227, 118

 208, 227, 208

 95, 227, 95

 227, 227, 231

 72, 227, 72

 227, 227, 254

 49, 227, 49

 227, 227, 255

 27, 227, 27

 4, 227, 4

 0, 227, 0

Harmonies

Analogous

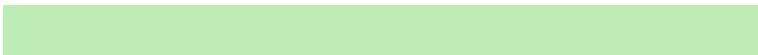
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



226, 255, 162



163, 227, 163



180, 235, 224

Triad

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



163, 227, 163



133, 189, 255



255, 202, 238

Complementary

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



163, 227, 163



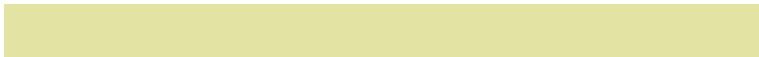
163, 163, 227

Split Complementary

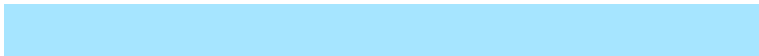
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



250, 209, 255



163, 227, 163



166, 203, 255

Square

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



163, 227, 163



131, 186, 241



210, 218, 255



255, 201, 206

Rectangle

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



163, 227, 163



167, 217, 239



210, 218, 255



255, 203, 248

Sweetspot

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



163, 227, 163



235, 255, 235



227, 163, 163



115, 128, 115



0, 0, 0



128, 128, 128

Same Dimension

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



163, 227, 163



168, 255, 168



163, 227, 195



103, 115, 103



0, 179, 0



0, 51, 0

Inverse Universe

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



163, 163, 227



168, 168, 255



195, 163, 227



103, 103, 115



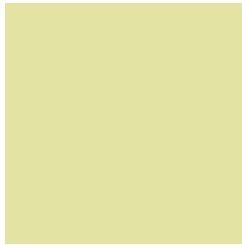
0, 0, 179



0, 0, 51

Previews

White Background



This preview shows how the RYB color 163, 227, 163 looks on a white background.

Color Contrast Check

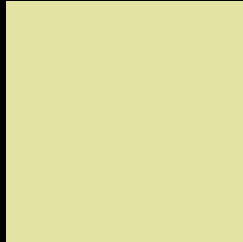
Large Text (above 18pt) WCAG AA × Fail

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, 227, 163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

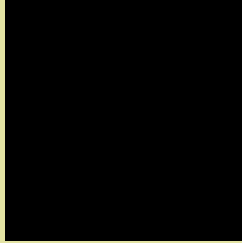
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

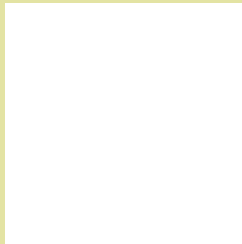
Any Text WCAG AAA ✓ Pass

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

RYB 163, 227, 163 Background



This preview shows how black text looks on a background with the RYB color 163, 227, 163.



This preview shows how white text looks on a background with the RYB color 163, 227, 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, 227, 163

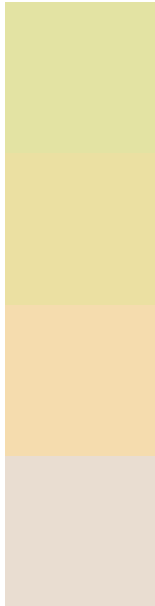
Protanopia
183, 240, 161

Deuteranopia
255, 247, 181



Tritanopia
236, 218, 235

Trichromacy



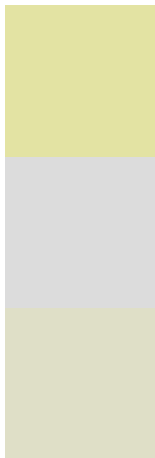
Original Color
163, 227, 163

Protanomaly
175, 235, 162

Deuteranomaly
213, 245, 174

Tritanomaly
233, 233, 209

Monochromacy



Original Color
163, 227, 163

Achromatopsia
220, 220, 220

Achromatomaly
199, 223, 199

CSS Examples

Text

The CSS property to change the color of the text to RGB 163, 227, 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(227, 227, 163)` looks like.

```
.text, #text, p{  
    color:rgb(227, 227, 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(227, 227, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 227, 163) }
```

Border

The CSS property to change the border of an element to RYB 163, 227, 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(227, 227, 163) }
```

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

```
.border{ border-color:rgb(227, 227, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 227, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 227, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 227, 163); box-shadow:4px 4px 4px 4px rgb(227, 227, 163) }
```

Background

The CSS property to change the background color of an element to RYB 163, 227, 163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 227, 163) }
```

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

```
.background{ background-color: rgb(227,  
227, 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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