

Converting Colors

`RYB(164, 227, 190)`

Have a look what the booklet for
RYB(164, 227, 190) contains.

RYB(164, 227, 190)	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(164, 227, 190)

Conversions

Conversions Part 1

Format	Color
Hex	C9E3A4
RGB	201, 227, 164
RGB Percent	79%, 89%, 64%
CMY	0.2118, 0.1098, 0.3569
CMYK	0.11, 0.00, 0.28, 0.11
HSL	85°, 53%, 77%
HSV	85°, 28%, 89%
XYZ	58.2573, 70.0360, 45.5698
YIQ	212.0440, 4.7270, -25.1050

Conversions

Conversions Part 2

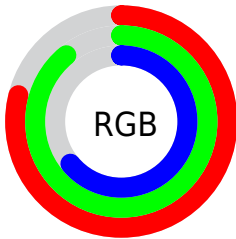
Format	Color
RYB	164, 227, 190
Decimal	13231012
CIELab	87.01, -19.30, 28.01
CIELCh	87, 34.017, 124.573
Yxy	70.0360, 0.3351, 0.4028
Android (android.graphics.Color)	4291421092 (0xFFC9E3A4)
YUV	212.0440, -23.6857, -9.6856
Hunter-Lab	83.6875, -22.1941, 26.2965

Details

The RYB color **164, 227, 190** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **190, 164, 227**, and the grayscale version is **212, 212, 212**.

A 20% lighter version of the original color is **219, 255, 219**, and **112, 172, 138** is the 20% darker color. If you saturate the color by 10%, you get **141, 227, 176**, and if you desaturate by 10%, it is **187, 227, 204**.

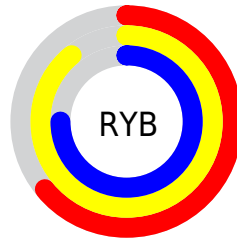
Distribution



Red (79%)

Green (89%)

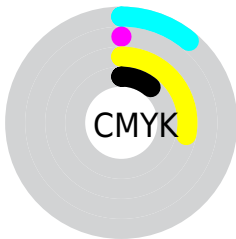
Blue (64%)



Red (64%)

Yellow (89%)

Blue (75%)

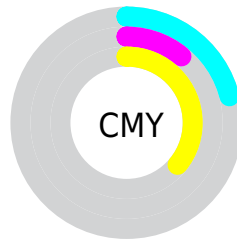


Cyan (11%)

Magenta (0%)

Yellow (28%)

Black (11%)



Cyan (21%)

Magenta (11%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 164, 227, 190 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 164, 227, 190 by changing the saturation by 10% instead.


 164, 227, 190


255, 255, 255


 219, 255, 219

 248, 255, 248

 164, 227, 190

 137, 199, 163

 112, 172, 138

 87, 145, 112

 63, 119, 87

 40, 94, 64

 17, 71, 41

 0, 48, 23

 0, 29, 29

 0, 0, 0

 164, 227, 190

 164, 227, 190

 141, 227, 176

 187, 227, 204

 119, 227, 164

 209, 227, 216

 96, 227, 150

 229, 227, 232

 73, 227, 136

 238, 227, 255

 51, 227, 124

 248, 227, 255

 28, 227, 110

 255, 227, 255

 5, 227, 97

 0, 227, 94

Harmonies

Analogous

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



178, 236, 153



164, 227, 190



164, 215, 233

Triad

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



164, 227, 190



140, 190, 255



255, 194, 214

Complementary

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



164, 227, 190



190, 164, 227

Split Complementary

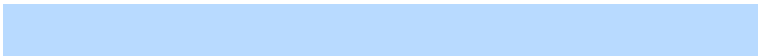
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 198, 246



164, 227, 190



184, 207, 255

Square

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



164, 227, 190



117, 180, 253



229, 208, 255



255, 200, 183

Rectangle

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



164, 227, 190



140, 195, 236



229, 208, 255



255, 195, 225

Sweetspot

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



164, 227, 190



235, 255, 243



227, 205, 164



115, 128, 121



0, 0, 0



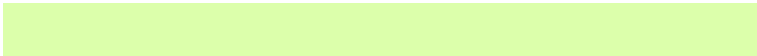
128, 128, 128

Same Dimension

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



164, 227, 190



171, 255, 206



164, 227, 221



103, 115, 108



0, 179, 74



0, 51, 21

Inverse Universe

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



190, 164, 227



206, 171, 255



221, 164, 227



108, 103, 115



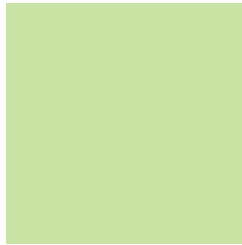
74, 0, 179



21, 0, 51

Previews

White Background



This preview shows how the RYB color 164, 227, 190 looks on a white background.

Color Contrast Check

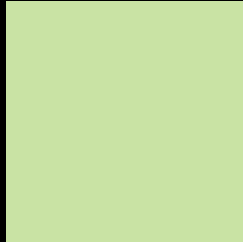
Large Text (above 18pt) WCAG AA × Fail

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 164, 227, 190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

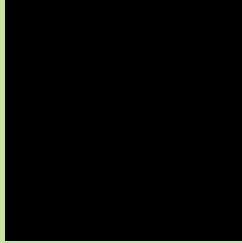
Any Text WCAG AA ✓ Pass

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 164, 227, 190 Background



This preview shows how black text looks on a background with the RYB color 164, 227, 190.

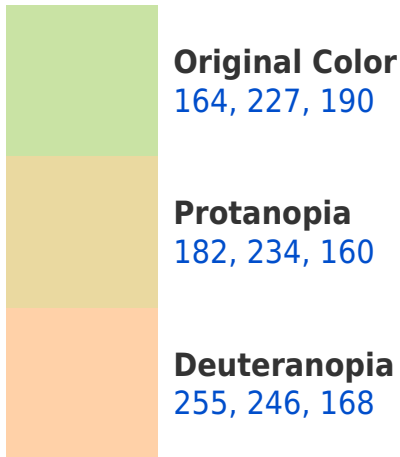


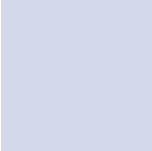
This preview shows how white text looks on a background with the RYB color 164, 227, 190.

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](#).

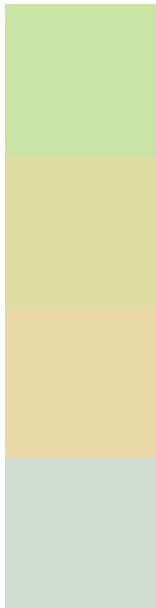
Dichromacy





Tritanopia
211, 216, 235

Trichromacy



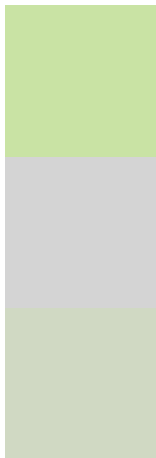
Original Color
164, 227, 190

Protanomaly
162, 222, 161

Deuteranomaly
193, 235, 167

Tritanomaly
207, 219, 221

Monochromacy



Original Color
164, 227, 190

Achromatopsia
212, 212, 212

Achromatomaly
195, 217, 204

CSS Examples

Text

The CSS property to change the color of the text to RYB 164, 227, 190 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(201, 227, 164)` looks like.

```
.text, #text, p{  
    color:rgb(201, 227, 164)  
}
```

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(201, 227, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 227, 164) }
```

Border

The CSS property to change the border of an element to RYB 164, 227, 190 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(201, 227, 164) }
```

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

```
.border{ border-color:rgb(201, 227, 164) }
```

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

Here you see how a box with a 4 pixel rgb(201, 227, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 227, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 227, 164);  
box-shadow:4px 4px 4px 4px rgb(201, 227,  
164) }
```

Background

The CSS property to change the background color of an element to RYB 164, 227, 190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 227, 164) }
```

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

```
.background{ background-color: rgb(201,  
227, 164) }
```

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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