

Converting Colors

`RYB(163, 211, 225)`

Have a look what the booklet for
RYB(163, 211, 225) contains.

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Color

R_YB(163, 211, 225)

Conversions

Conversions Part 1

Format	Color
Hex	A3E1B5
RGB	163, 225, 181
RGB Percent	64%, 88%, 71%
CMY	0.3608, 0.1176, 0.2899
CMYK	0.28, 0.00, 0.20, 0.12
HSL	138°, 51%, 76%
HSV	138°, 28%, 88%
XYZ	50.3785, 64.9766, 53.6474
YIQ	201.4460, -22.8280, -26.8280

Conversions

Conversions Part 2

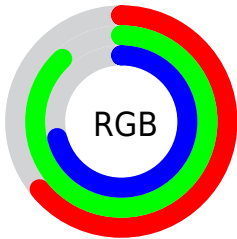
Format	Color
RYB	163, 211, 225
Decimal	10740149
CIELab	84.47, -28.42, 15.26
CIELCh	84, 32.263, 151.766
Yxy	64.9766, 0.2981, 0.3845
Android (android.graphics.Color)	4288930229 (0xFFA3E1B5)
YUV	201.4460, -10.0799, -33.7171
Hunter-Lab	80.6080, -29.5049, 16.9661

Details

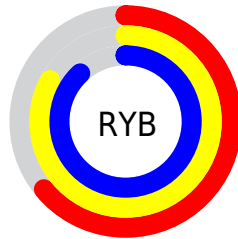
The RYB color **163, 211, 225** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **225, 163, 207**, and the grayscale version is **202, 202, 202**.

A 20% lighter version of the original color is **219, 243, 255**, and **110, 155, 169** is the 20% darker color. If you saturate the color by 10%, you get **140, 206, 225**, and if you desaturate by 10%, it is **186, 216, 225**.

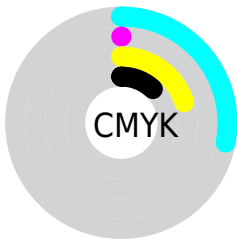
Distribution



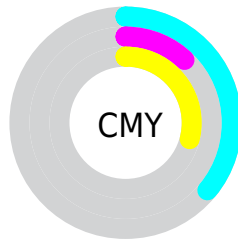
- Red (64%)
- Green (88%)
- Blue (71%)



- Red (64%)
- Yellow (83%)
- Blue (88%)



- Cyan (28%)
- Magenta (0%)
- Yellow (20%)
- Black (12%)



- Cyan (36%)
- Magenta (12%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the RYB color 163, 211, 225 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, 211, 225 by changing the saturation by 10% instead.

 163, 211, 225


255, 255, 255


 219, 243, 255

 248, 252, 255


 163, 211, 225

 136, 183, 197

 110, 155, 169

 84, 129, 143

 58, 102, 117

 33, 75, 92

 1, 46, 68

 0, 35, 45

 0, 24, 24

 0, 0, 0

 163, 211, 225


 163, 211, 225

 140, 206, 225


 186, 216, 225

 118, 201, 225


 208, 221, 225

 95, 196, 225


 231, 225, 229

 73, 191, 225

 253, 225, 245

 51, 186, 225

 255, 225, 255

 28, 181, 225

 5, 175, 225

 0, 174, 225

Harmonies

Analogous

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



158, 219, 179



163, 211, 225



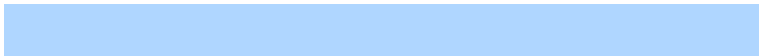
132, 184, 228

Triad

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



163, 211, 225



175, 201, 255



255, 193, 180

Complementary

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



163, 211, 225



225, 163, 207

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, 188, 210



163, 211, 225



218, 202, 255

Square

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



163, 211, 225



135, 185, 255



251, 193, 240



255, 229, 158

Rectangle

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



163, 211, 225



119, 174, 232



251, 193, 240



255, 189, 190

Sweetspot

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



163, 211, 225



235, 250, 255



163, 225, 181



115, 126, 128



0, 0, 0



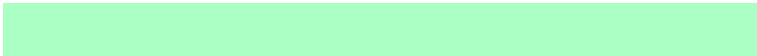
128, 128, 128

Same Dimension

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



163, 211, 225



171, 236, 255



163, 198, 225



101, 110, 112



0, 136, 176



0, 37, 48

Inverse Universe

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



225, 163, 207



255, 171, 230



225, 163, 176



112, 101, 109



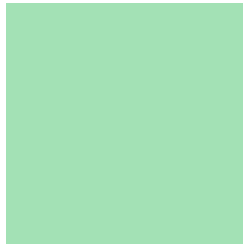
176, 0, 125



48, 0, 34

Previews

White Background



This preview shows how the RYB color 163, 211, 225 looks on a white background.

Color Contrast Check

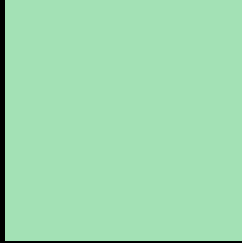
Large Text (above 18pt) WCAG AA × Fail

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, 211, 225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

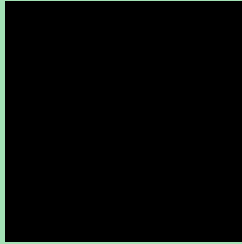
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

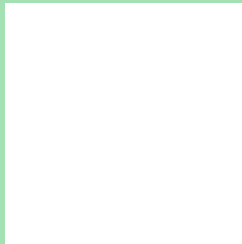
Any Text WCAG AAA ✓ Pass

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

RYB 163, 211, 225 Background



This preview shows how black text looks on a background with the RYB color 163, 211, 225.

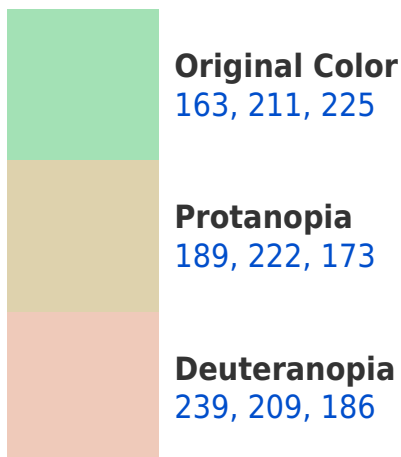


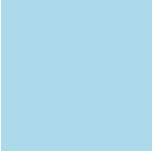
This preview shows how white text looks on a background with the RYB color 163, 211, 225.

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
173, 199, 235

Trichromacy



Original Color

163, 211, 225



Protanomaly

176, 215, 190



Deuteranomaly

185, 211, 184



Tritanomaly

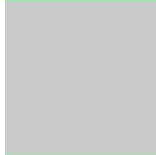
169, 197, 221

Monochromacy



Original Color

163, 211, 225



Achromatopsia

201, 201, 201



Achromatomaly

187, 205, 210

CSS Examples

Text

The CSS property to change the color of the text to RYB 163, 211, 225 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(163, 225, 181)` looks like.

```
.text, #text, p{  
    color:rgb(163, 225, 181)  
}
```

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(163, 225, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 225, 181) }
```

Border

The CSS property to change the border of an element to RYB 163, 211, 225 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(163, 225, 181) }
```

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

```
.border{ border-color:rgb(163, 225, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 225, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 225, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 225, 181);  
box-shadow:4px 4px 4px 4px rgb(163, 225,  
181) }
```

Background

The CSS property to change the background color of an element to RYB 163, 211, 225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 225, 181) }
```

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

```
.background{ background-color: rgb(163,  
225, 181) }
```

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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