

Converting Colors

`RYB(161, 227, 222)`

Have a look what the booklet for
RYB(161, 227, 222) contains.

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Color

R_YB(161, 227, 222)

Conversions

Conversions Part 1

Format	Color
Hex	A6E3A1
RGB	166, 227, 161
RGB Percent	65%, 89%, 63%
CMY	0.3490, 0.1098, 0.3686
CMYK	0.27, 0.00, 0.29, 0.11
HSL	115°, 54%, 76%
HSV	115°, 29%, 89%
XYZ	49.6280, 65.6184, 43.7682
YIQ	201.2370, -15.1700, -33.4580

Conversions

Conversions Part 2

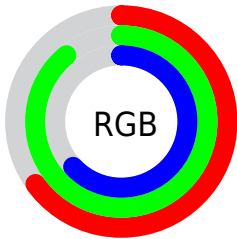
Format	Color
RYB	161, 227, 222
Decimal	10937249
CIELab	84.80, -31.86, 26.19
CIElCh	85, 41.248, 140.581
Yxy	65.6184, 0.3121, 0.4127
Android (android.graphics.Color)	4289127329 (0xFFA6E3A1)
YUV	201.2370, -19.8368, -30.9028
Hunter-Lab	81.0052, -32.4006, 24.6685

Details

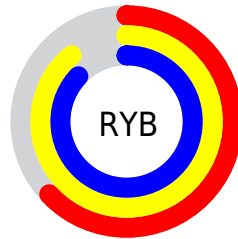
The RYB color **161, 227, 222** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **222, 161, 227**, and the grayscale version is **201, 201, 201**.

A 20% lighter version of the original color is **216, 255, 249**, and **109, 171, 168** is the 20% darker color. If you saturate the color by 10%, you get **138, 227, 220**, and if you desaturate by 10%, it is **184, 227, 224**.

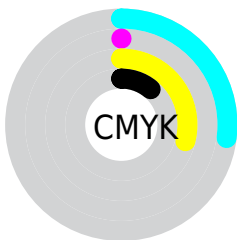
Distribution



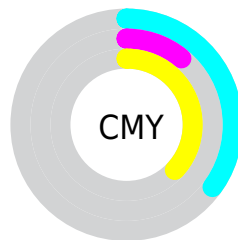
- Red (65%)
- Green (89%)
- Blue (63%)



- Red (63%)
- Yellow (89%)
- Blue (87%)



- Cyan (27%)
- Magenta (0%)
- Yellow (29%)
- Black (11%)



- Cyan (35%)
- Magenta (11%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the RYB color 161, 227, 222 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 161, 227, 222 by changing the saturation by 10% instead.

 161, 227, 222

255, 255, 255


 216, 255, 249


 245, 255, 249

 161, 227, 222

 135, 199, 195

 109, 171, 168

 84, 145, 143

 60, 119, 118

 35, 91, 93

 3, 59, 69

 0, 46, 46

 0, 25, 25

 0, 0, 0

 161, 227, 222

 161, 227, 222

 138, 227, 220

 184, 227, 224

 116, 227, 219

 206, 227, 225

 93, 227, 217

 229, 227, 229

 70, 227, 215

 250, 227, 252

 48, 227, 214

 255, 227, 255

 25, 227, 212

 2, 227, 210

 0, 227, 210

Harmonies

Analogous

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



138, 218, 145



161, 227, 222



118, 185, 232

Triad

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



161, 227, 222



137, 185, 255



255, 183, 186

Complementary

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



161, 227, 222



222, 161, 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, 183, 226



161, 227, 222



199, 205, 255

Square

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



161, 227, 222



79, 160, 255



249, 192, 255



255, 216, 153

Rectangle

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



161, 227, 222



86, 162, 233



249, 192, 255



255, 182, 199

Sweetspot

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



161, 227, 222



232, 255, 253



166, 227, 161



113, 128, 126



0, 0, 0



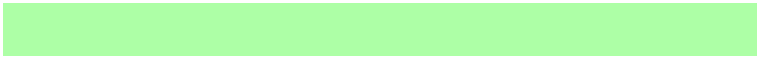
128, 128, 128

Same Dimension

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



161, 227, 222



166, 255, 248



161, 207, 227



103, 115, 114



0, 179, 165



0, 51, 47

Inverse Universe

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



222, 161, 227



248, 166, 255



227, 161, 199



114, 103, 115



165, 0, 179



47, 0, 51

Previews

White Background



This preview shows how the RYB color 161, 227, 222 looks on a white background.

Color Contrast Check

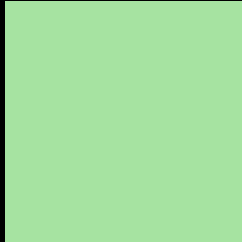
Large Text (above 18pt) WCAG AA × Fail

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 161, 227, 222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

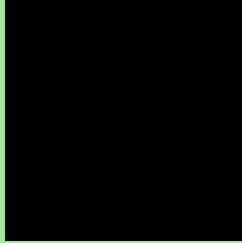
Any Text WCAG AA ✓ Pass

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 161, 227, 222 Background



This preview shows how black text looks on a background with the RYB color 161, 227, 222.

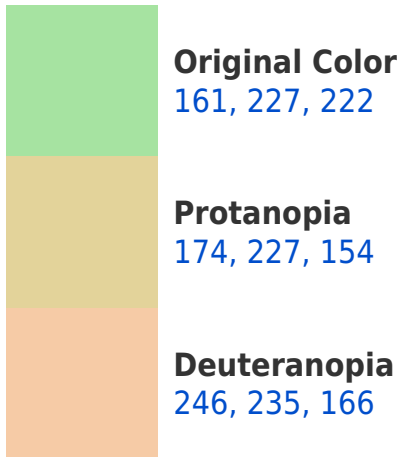


This preview shows how white text looks on a background with the RYB color 161, 227, 222.

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





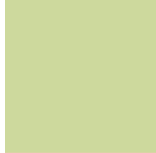
Tritanopia
179, 202, 235

Trichromacy



Original Color

161, 227, 222



Protanomaly

157, 217, 169



Deuteranomaly

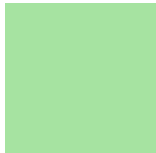
170, 217, 164



Tritanomaly

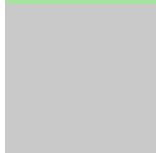
174, 201, 221

Monochromacy



Original Color

161, 227, 222



Achromatopsia

201, 201, 201



Achromatomaly

186, 210, 208

CSS Examples

Text

The CSS property to change the color of the text to RYB 161, 227, 222 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(166, 227, 161)` looks like.

```
.text, #text, p{  
    color:rgb(166, 227, 161)  
}
```

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(166, 227, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 227, 161) }
```

Border

The CSS property to change the border of an element to RYB 161, 227, 222 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(166, 227, 161) }
```

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

```
.border{ border-color:rgb(166, 227, 161) }
```

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

Here you see how a box with a 4 pixel rgb(166, 227, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 227, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 227, 161);  
box-shadow:4px 4px 4px 4px rgb(166, 227,  
161) }
```

Background

The CSS property to change the background color of an element to RYB 161, 227, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 227, 161) }
```

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

```
.background{ background-color: rgb(166,  
227, 161) }
```

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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