

Converting Colors

`RYB(165, 243, 237)`

Have a look what the booklet for
RYB(165, 243, 237) contains.

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Color

R_YB(165, 243, 237)

Conversions

Conversions Part 1

Format	Color
Hex	ABF3A5
RGB	171, 243, 165
RGB Percent	67%, 95%, 65%
CMY	0.3294, 0.0471, 0.3529
CMYK	0.30, 0.00, 0.32, 0.05
HSL	115°, 76%, 80%
HSV	115°, 32%, 95%
XYZ	55.6367, 75.4757, 47.2332
YIQ	212.5800, -17.8740, -39.5220

Conversions

Conversions Part 2

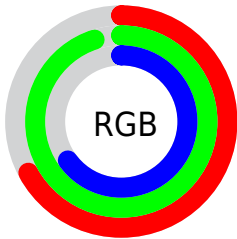
Format	Color
RYB	165, 243, 237
Decimal	11269029
CIELab	89.62, -36.98, 30.70
CIElCh	90, 48.060, 140.306
Yxy	75.4757, 0.3120, 0.4232
Android (android.graphics.Color)	4289459109 (0xFFABF3A5)
YUV	212.5800, -23.4569, -36.4657
Hunter-Lab	86.8768, -37.7212, 28.5789

Details

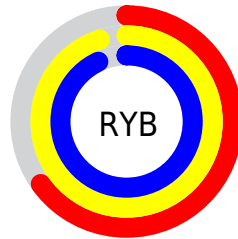
The RYB color **165, 243, 237** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **237, 165, 243**, and the grayscale version is **213, 213, 213**.

A 20% lighter version of the original color is **220, 255, 247**, and **112, 186, 182** is the 20% darker color. If you saturate the color by 10%, you get **141, 243, 235**, and if you desaturate by 10%, it is **189, 243, 239**.

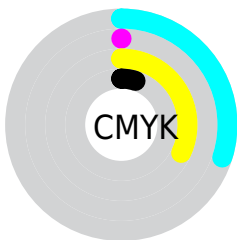
Distribution



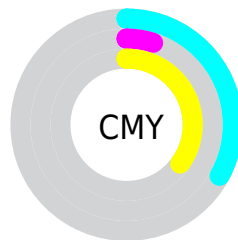
- Red (67%)
- Green (95%)
- Blue (65%)



- Red (65%)
- Yellow (95%)
- Blue (93%)



- Cyan (30%)
- Magenta (0%)
- Yellow (32%)
- Black (5%)



- Cyan (33%)
- Magenta (5%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the RYB color 165, 243, 237 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 165, 243, 237 by changing the saturation by 10% instead.

 165, 243, 237


255, 255, 255


 220, 255, 247


 249, 255, 249


 165, 243, 237

 138, 214, 209

 112, 186, 182


 87, 159, 156

 63, 133, 133

 35, 102, 107

 0, 69, 82


 0, 58, 58

 0, 38, 38

 0, 0, 0

 165, 243, 237

 165, 243, 237

 141, 243, 235

 189, 243, 239

 116, 243, 233

 214, 243, 241

 92, 243, 231

 238, 243, 243

 68, 243, 230

 255, 243, 255

 43, 243, 227

 19, 243, 226

 0, 243, 224

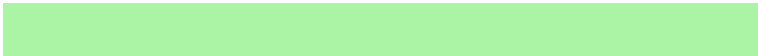
Harmonies

Analogous

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



137, 232, 145



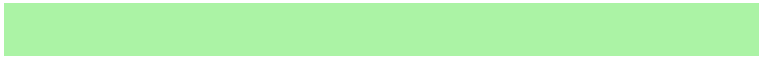
165, 243, 237



109, 191, 249

Triad

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



165, 243, 237



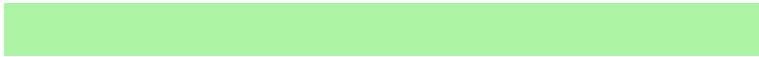
130, 187, 255



255, 191, 196

Complementary

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



165, 243, 237



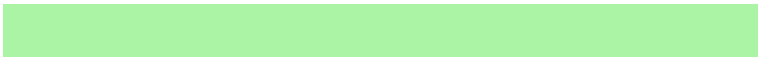
237, 165, 243

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, 191, 242



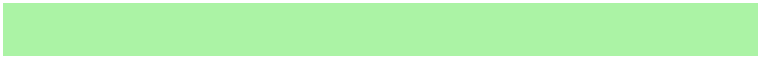
165, 243, 237



208, 217, 255

Square

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



165, 243, 237



28, 139, 255



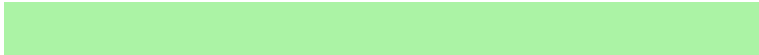
255, 202, 255



255, 242, 156

Rectangle

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



165, 243, 237



58, 157, 250



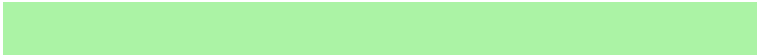
255, 202, 255



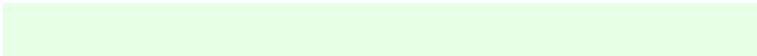
255, 189, 211

Sweetspot

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



165, 243, 237



230, 255, 254



173, 243, 165



112, 128, 127



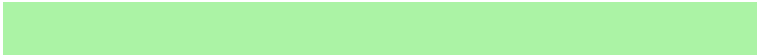
0, 0, 0



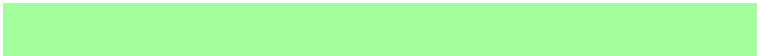
128, 128, 128

Same Dimension

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



165, 243, 237



156, 255, 248



165, 220, 243



110, 122, 121



0, 186, 172



0, 59, 54

Inverse Universe

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



237, 165, 243



247, 156, 255



243, 165, 210



121, 110, 122



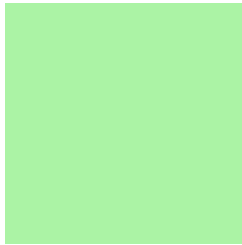
172, 0, 186



54, 0, 59

Previews

White Background



This preview shows how the RYB color 165, 243, 237 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 165, 243, 237 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 165, 243, 237 Background



This preview shows how black text looks on a background with the RYB color 165, 243, 237.

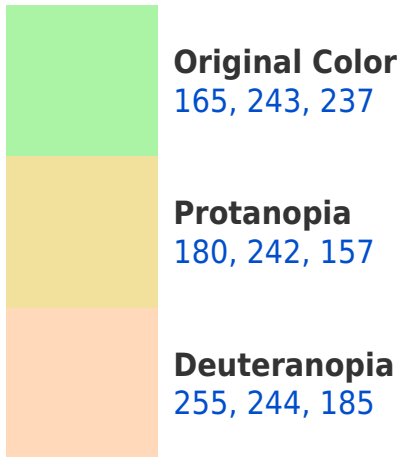


This preview shows how white text looks on a background with the RYB color 165, 243, 237.

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





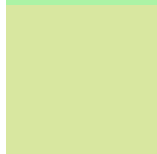
Tritanopia
186, 213, 251

Trichromacy



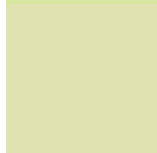
Original Color

165, 243, 237



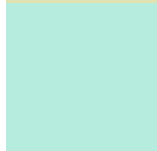
Protanomaly

160, 231, 175



Deuteranomaly

178, 226, 180



Tritanomaly

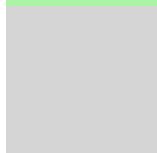
181, 213, 236

Monochromacy



Original Color

165, 243, 237



Achromatopsia

213, 213, 213



Achromatomaly

196, 224, 222

CSS Examples

Text

The CSS property to change the color of the text to RYB 165, 243, 237 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(171, 243, 165)` looks like.

```
.text, #text, p{  
    color:rgb(171, 243, 165)  
}
```

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(171, 243, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 243, 165) }
```

Border

The CSS property to change the border of an element to RYB 165, 243, 237 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(171, 243, 165) }
```

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

```
.border{ border-color:rgb(171, 243, 165) }
```

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

Here you see how a box with a 4 pixel rgb(171, 243, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 243, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 243, 165);  
box-shadow:4px 4px 4px 4px rgb(171, 243,  
165) }
```

Background

The CSS property to change the background color of an element to RYB 165, 243, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 243, 165) }
```

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

```
.background{ background-color: rgb(171,  
243, 165) }
```

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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