

Converting Colors

`RYB(165, 217, 246)`

Have a look what the booklet for
RYB(165, 217, 246) contains.

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Color

R_YB(165, 217, 246)

Conversions

Conversions Part 1

Format	Color
Hex	A5F6D2
RGB	165, 246, 210
RGB Percent	65%, 96%, 82%
CMY	0.3529, 0.0353, 0.1758
CMYK	0.33, 0.00, 0.15, 0.04
HSL	153°, 82%, 81%
HSV	153°, 33%, 96%
XYZ	60.1273, 78.5726, 73.0829
YIQ	217.6770, -36.7200, -28.3680

Conversions

Conversions Part 2

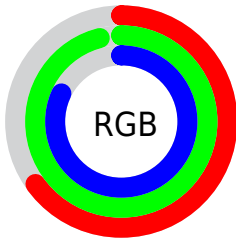
Format	Color
RYB	165, 217, 246
Decimal	10876626
CIELab	91.04, -32.16, 9.44
CIELCh	91, 33.518, 163.640
Yxy	78.5726, 0.2839, 0.3710
Android (android.graphics.Color)	4289066706 (0xFFA5F6D2)
YUV	217.6770, -3.7848, -46.1977
Hunter-Lab	88.6412, -34.0417, 13.1654

Details

The RYB color **165, 217, 246** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **246, 165, 201**, and the grayscale version is **218, 218, 218**.

A 20% lighter version of the original color is **222, 239, 255**, and **110, 160, 189** is the 20% darker color. If you saturate the color by 10%, you get **140, 208, 246**, and if you desaturate by 10%, it is **190, 226, 246**.

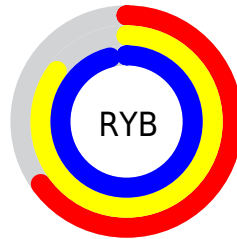
Distribution



Red (65%)

Green (96%)

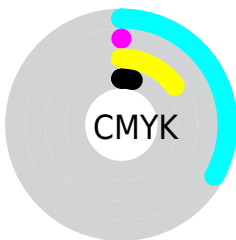
Blue (82%)



Red (65%)

Yellow (85%)

Blue (96%)

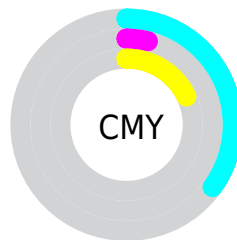


Cyan (33%)

Magenta (0%)

Yellow (15%)

Black (4%)



Cyan (35%)

Magenta (4%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 165, 217, 246 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, 217, 246 by changing the saturation by 10% instead.

 165, 217, 246


255, 255, 255


 222, 239, 255

 251, 253, 255

 165, 217, 246

 137, 188, 217


 110, 160, 189

 83, 133, 162

 56, 105, 135

 26, 77, 110

 0, 51, 85

 0, 38, 61

 0, 28, 39

 0, 7, 7

 165, 217, 246


 165, 217, 246

 140, 208, 246


 190, 226, 246

 116, 200, 246


 214, 234, 246

 91, 190, 246


 239, 243, 246

 67, 182, 246

 255, 246, 254

 42, 173, 246

 255, 246, 255

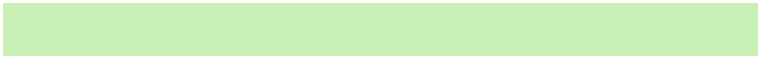
 17, 164, 246

 0, 158, 246

Harmonies

Analogous

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



182, 241, 222



165, 217, 246



137, 193, 247

Triad

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



165, 217, 246



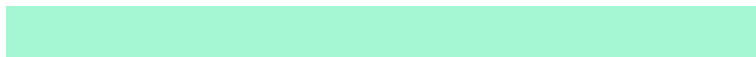
210, 222, 255



255, 225, 186

Complementary

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



165, 217, 246



246, 165, 201

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, 206, 216



165, 217, 246



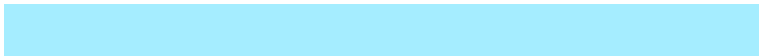
252, 216, 255

Square

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



165, 217, 246



165, 205, 255



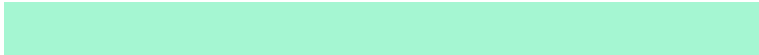
255, 208, 248



224, 255, 168

Rectangle

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



165, 217, 246



132, 191, 255



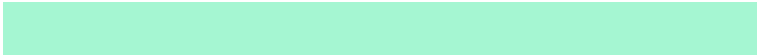
255, 208, 248



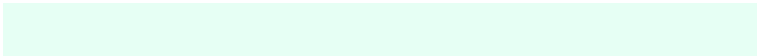
255, 213, 195

Sweetspot

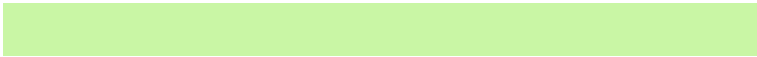
The Sweet Spot groups the original color and five complimentary colors.



165, 217, 246



230, 246, 255



165, 246, 210



112, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

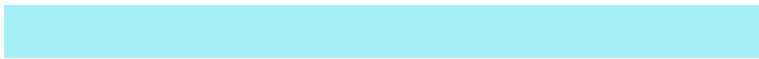
The Same Dimension uses a secret algorithm to generate beautiful new colors.



165, 217, 246



153, 218, 255



165, 204, 246



110, 118, 122



0, 119, 186



0, 38, 59

Inverse Universe

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



246, 165, 201



255, 153, 198



246, 169, 165



122, 110, 116



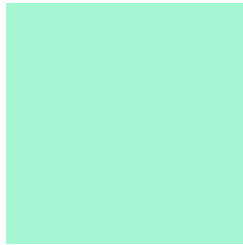
186, 0, 82



59, 0, 26

Previews

White Background



This preview shows how the RYB color 165, 217, 246 looks on a white background.

Color Contrast Check

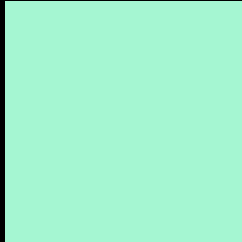
Large Text (above 18pt) WCAG AA × Fail

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, 217, 246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

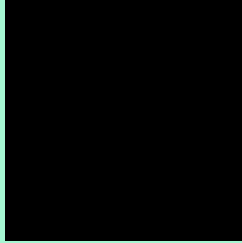
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

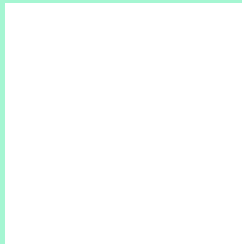
Any Text WCAG AAA ✓ Pass

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

RYB 165, 217, 246 Background



This preview shows how black text looks on a background with the RYB color 165, 217, 246.

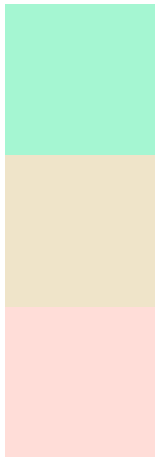


This preview shows how white text looks on a background with the RYB color 165, 217, 246.

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
165, 217, 246

Protanopia
216, 239, 201

Deuteranopia
255, 222, 216



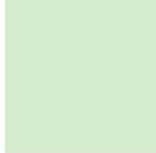
Tritanopia
183, 214, 255

Trichromacy



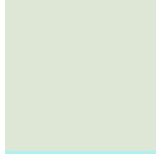
Original Color

165, 217, 246



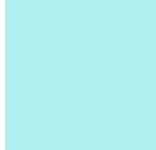
Protanomaly

204, 235, 227



Deuteranomaly

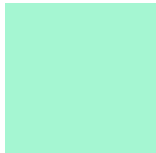
214, 230, 222



Tritanomaly

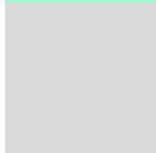
176, 209, 241

Monochromacy



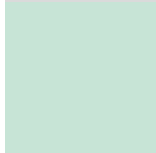
Original Color

165, 217, 246



Achromatopsia

218, 218, 218



Achromatomaly

199, 218, 228

CSS Examples

Text

The CSS property to change the color of the text to RYB 165, 217, 246 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(165, 246, 210)` looks like.

```
.text, #text, p{  
    color:rgb(165, 246, 210)  
}
```

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(165, 246, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 246, 210) }
```

Border

The CSS property to change the border of an element to RYB 165, 217, 246 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(165, 246, 210) }
```

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

```
.border{ border-color:rgb(165, 246, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 246, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 246, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 246, 210);  
box-shadow:4px 4px 4px 4px rgb(165, 246,  
210) }
```

Background

The CSS property to change the background color of an element to RYB 165, 217, 246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 246, 210) }
```

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

```
.background{ background-color: rgb(165,  
246, 210) }
```

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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