

Converting Colors

`RYB(187, 229, 251)`

Have a look what the booklet for
RYB(187, 229, 251) contains.

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Color

R_YB(187, 229, 251)

Conversions

Conversions Part 1

Format	Color
Hex	BBFBDD
RGB	187, 251, 221
RGB Percent	73%, 98%, 87%
CMY	0.2667, 0.0157, 0.1352
CMYK	0.25, 0.00, 0.12, 0.02
HSL	151°, 89%, 86%
HSV	151°, 25%, 98%
XYZ	67.9785, 84.7543, 80.8508
YIQ	228.4440, -28.5140, -22.8980

Conversions

Conversions Part 2

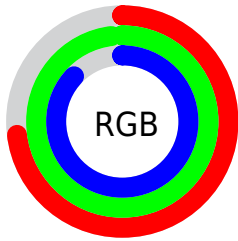
Format	Color
RYB	187, 229, 251
Decimal	12319709
CIELab	93.78, -26.03, 8.16
CIElCh	94, 27.283, 162.591
Yxy	84.7543, 0.2910, 0.3628
Android (android.graphics.Color)	4290509789 (0xFFBBFBDD)
YUV	228.4440, -3.6699, -36.3464
Hunter-Lab	92.0621, -29.3046, 12.3738

Details

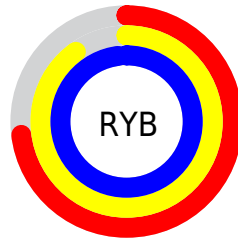
The RYB color **187, 229, 251** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **251, 187, 217**, and the grayscale version is **228, 228, 228**.

A 20% lighter version of the original color is **244, 250, 255**, and **132, 172, 194** is the 20% darker color. If you saturate the color by 10%, you get **162, 220, 251**, and if you desaturate by 10%, it is **212, 238, 251**.

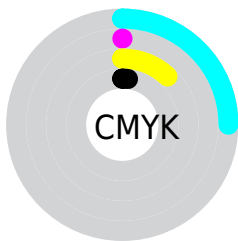
Distribution



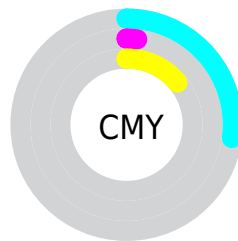
- Red (73%)
- Green (98%)
- Blue (87%)



- Red (73%)
- Yellow (90%)
- Blue (98%)



- Cyan (25%)
- Magenta (0%)
- Yellow (12%)
- Black (2%)



- Cyan (27%)
- Magenta (2%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the RYB color 187, 229, 251 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 187, 229, 251 by changing the saturation by 10% instead.


 187, 229, 251


255, 255, 255


 244, 250, 255

 187, 229, 251

 159, 200, 222

 132, 172, 194

 106, 146, 167

 80, 118, 140

 55, 93, 115

 28, 66, 90

 0, 40, 66

 0, 28, 43

 0, 22, 22

■ 187, 229, 251

■ 187, 229, 251

■ 162, 220, 251

■ 212, 238, 251

■ 137, 212, 251

■ 237, 246, 251

■ 112, 203, 251

■ 255, 251, 255

■ 87, 195, 251

■ 61, 185, 251

■ 36, 177, 251

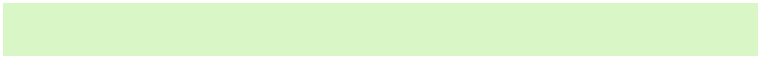
■ 11, 168, 251

■ 0, 165, 251

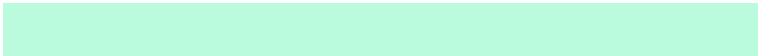
Harmonies

Analogous

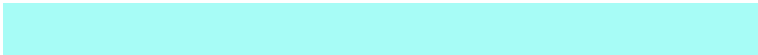
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



198, 246, 228



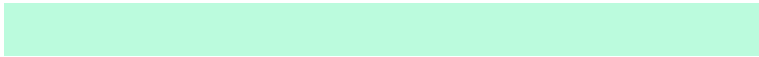
187, 229, 251



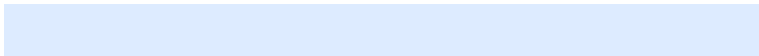
167, 211, 252

Triad

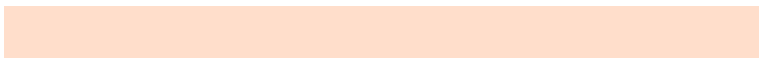
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



187, 229, 251



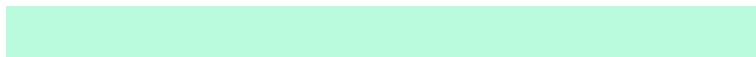
221, 231, 255



255, 233, 203

Complementary

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



187, 229, 251



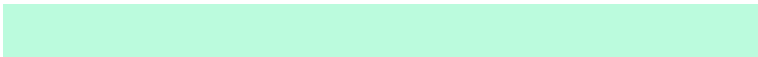
251, 187, 217

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, 219, 227



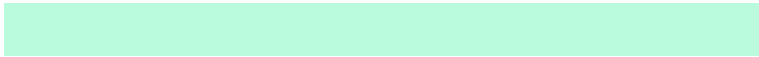
187, 229, 251



255, 227, 255

Square

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



187, 229, 251



187, 218, 255



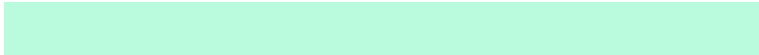
255, 220, 254



228, 255, 188

Rectangle

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



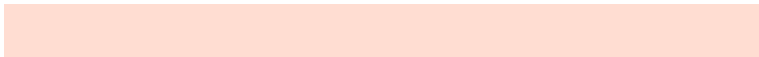
187, 229, 251



164, 208, 255



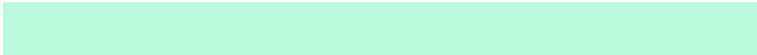
255, 220, 254



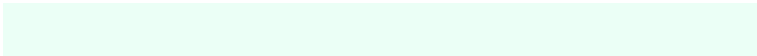
255, 225, 210

Sweetspot

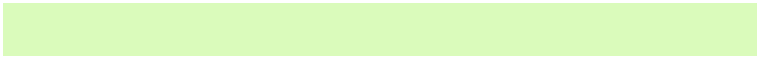
The Sweet Spot groups the original color and five complimentary colors.



187, 229, 251



235, 248, 255



187, 251, 220



115, 124, 128



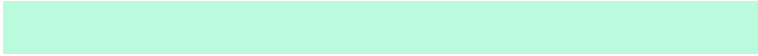
0, 0, 0



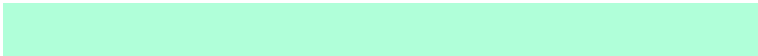
128, 128, 128

Same Dimension

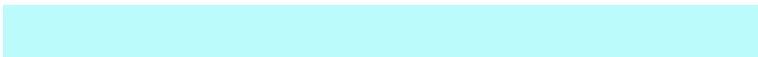
The Same Dimension uses a secret algorithm to generate beautiful new colors.



187, 229, 251



176, 228, 255



187, 219, 251



112, 120, 125



0, 124, 189



0, 40, 61

Inverse Universe

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



251, 187, 217



255, 176, 214



251, 188, 187



125, 112, 118



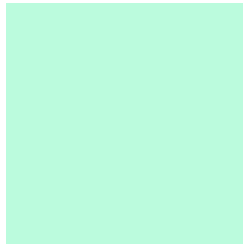
189, 0, 90



61, 0, 29

Previews

White Background



This preview shows how the RYB color 187, 229, 251 looks on a white background.

Color Contrast Check

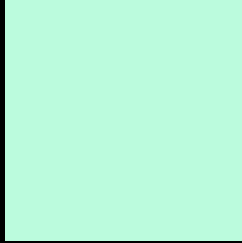
Large Text (above 18pt) WCAG AA × Fail

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 187, 229, 251 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

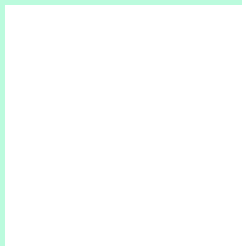
Any Text WCAG AAA ✓ Pass

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

RYB 187, 229, 251 Background



This preview shows how black text looks on a background with the RYB color 187, 229, 251.



This preview shows how white text looks on a background with the RYB color 187, 229, 251.

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





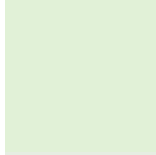
Tritanopia
211, 229, 255

Trichromacy



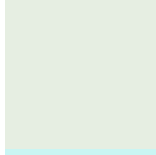
Original Color

187, 229, 251



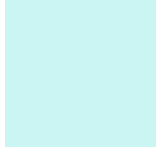
Protanomaly

215, 241, 231



Deuteranomaly

226, 238, 234



Tritanomaly

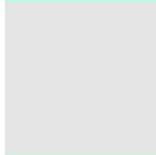
202, 224, 245

Monochromacy



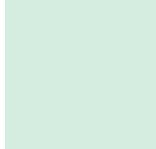
Original Color

187, 229, 251



Achromatopsia

228, 228, 228



Achromatomaly

213, 228, 236

CSS Examples

Text

The CSS property to change the color of the text to RYB 187, 229, 251 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(187, 251, 221)` looks like.

```
.text, #text, p{  
    color:rgb(187, 251, 221)  
}
```

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(187, 251, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 251, 221) }
```

Border

The CSS property to change the border of an element to RYB 187, 229, 251 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(187, 251, 221) }
```

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

```
.border{ border-color:rgb(187, 251, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 251, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 251, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 251, 221);  
box-shadow:4px 4px 4px 4px rgb(187, 251,  
221) }
```

Background

The CSS property to change the background color of an element to RYB 187, 229, 251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 251, 221) }
```

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

```
.background{ background-color: rgb(187,  
251, 221) }
```

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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