

Converting Colors

`RYB(167, 185, 236)`

Have a look what the booklet for
RYB(167, 185, 236) contains.

RYB(167, 185, 236)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(167, 185, 236)

Conversions

Conversions Part 1

Format	Color
Hex	A7BFEC
RGB	167, 191, 236
RGB Percent	65%, 75%, 93%
CMY	0.3451, 0.2496, 0.0745
CMYK	0.29, 0.19, 0.00, 0.07
HSL	219°, 64%, 79%
HSV	219°, 29%, 93%
XYZ	49.7845, 51.6874, 86.7096
YIQ	188.9540, -28.7490, 8.9070

Conversions

Conversions Part 2

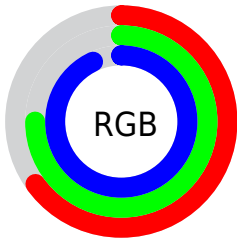
Format	Color
RYB	167, 185, 236
Decimal	10993644
CIELab	77.09, 1.78, -24.88
CIELCh	77, 24.939, 274.097
Yxy	51.6874, 0.2646, 0.2747
Android (android.graphics.Color)	4289183724 (0xFFA7BFEC)
YUV	188.9540, 23.1937, -19.2537
Hunter-Lab	71.8939, -2.2081, -21.1826

Details

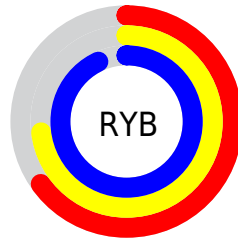
The RYB color **167, 185, 236** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **204, 236, 167**, and the grayscale version is **189, 189, 189**.

A 20% lighter version of the original color is **223, 237, 255**, and **113, 131, 180** is the 20% darker color. If you saturate the color by 10%, you get **143, 167, 236**, and if you desaturate by 10%, it is **191, 203, 236**.

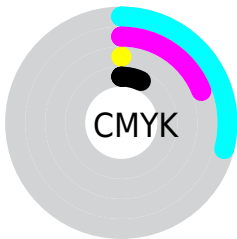
Distribution



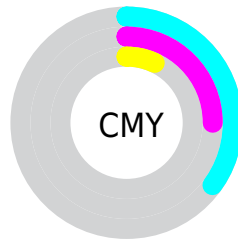
- Red (65%)
- Green (75%)
- Blue (93%)



- Red (65%)
- Yellow (73%)
- Blue (93%)



- Cyan (29%)
- Magenta (19%)
- Yellow (0%)
- Black (7%)



- Cyan (35%)
- Magenta (25%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 167, 185, 236 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 167, 185, 236 by changing the saturation by 10% instead.

■ 167, 185, 236

255, 255, 255

■ 223, 237, 255

■ 252, 254, 255

■ 167, 185, 236

■ 140, 158, 208

■ 113, 131, 180

■ 87, 106, 153

■ 62, 81, 127

■ 36, 56, 102

■ 4, 30, 78

■ 0, 16, 55

■ 0, 2, 33

■ 0, 0, 6

■ 167, 185, 236

■ 167, 185, 236

■ 143, 167, 236

■ 191, 203, 236

■ 120, 150, 236

■ 214, 220, 236

■ 96, 133, 236

■ 238, 238, 236

■ 73, 115, 236

■ 240, 255, 236

■ 49, 98, 236

■ 236, 255, 236

■ 25, 80, 236

■ 2, 63, 236

■ 0, 61, 236

Harmonies

Analogous

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



138, 174, 231



167, 185, 236



198, 183, 229

Triad

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



167, 185, 236



236, 178, 166



153, 190, 202

Complementary

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



167, 185, 236



204, 236, 167

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.



152, 197, 170



167, 185, 236



225, 206, 150

Square

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



167, 185, 236



236, 174, 188



162, 204, 144



132, 171, 204

Rectangle

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



167, 185, 236



216, 179, 218



162, 204, 144



161, 198, 200

Sweetspot

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



167, 185, 236



232, 238, 255



167, 209, 236



113, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



167, 185, 236



166, 189, 255



176, 167, 236



106, 109, 117



0, 47, 181



0, 14, 54

Inverse Universe

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



236, 167, 191



255, 166, 197



167, 236, 176



117, 106, 110



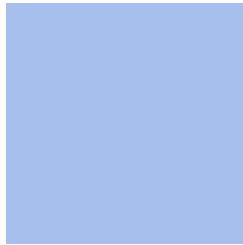
181, 0, 64



54, 0, 19

Previews

White Background



This preview shows how the RYB color 167, 185, 236 looks on a white background.

Color Contrast Check

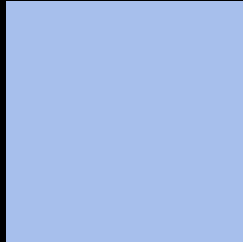
Large Text (above 18pt) WCAG AA × Fail

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 167, 185, 236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

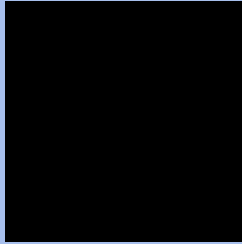
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

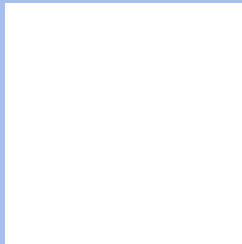
Any Text WCAG AAA ✓ Pass

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

RYB 167, 185, 236 Background



This preview shows how black text looks on a background with the RYB color 167, 185, 236.



This preview shows how white text looks on a background with the RYB color 167, 185, 236.

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

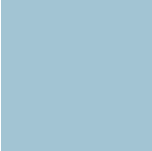
167, 185, 236

Protanopia

179, 187, 234

Deuteranopia

184, 186, 237



Tritanopia
162, 182, 211

Trichromacy



Original Color
167, 185, 236

Protanomaly
175, 186, 235

Deuteranomaly
178, 187, 237

Tritanomaly
164, 184, 220

Monochromacy



Original Color
167, 185, 236

Achromatopsia
189, 189, 189

Achromatomaly
181, 188, 206

CSS Examples

Text

The CSS property to change the color of the text to RYB 167, 185, 236 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(167, 191, 236)` looks like.

```
.text, #text, p{  
    color:rgb(167, 191, 236)  
}
```

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(167, 191, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 191, 236) }
```

Border

The CSS property to change the border of an element to RYB 167, 185, 236 is called "border". The border property can be set on classes, ids or directly on the HTML element.

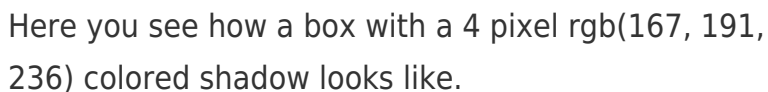
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 191, 236) }
```

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

```
.border{ border-color:rgb(167, 191, 236) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 191, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 191, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 191, 236); box-shadow:4px 4px 4px 4px rgb(167, 191, 236) }
```

Background

The CSS property to change the background color of an element to RYB 167, 185, 236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 191, 236) }
```

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

```
.background{ background-color: rgb(167,  
191, 236) }
```

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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