

Converting Colors

`RYB(135, 167, 236)`

Have a look what the booklet for
RYB(135, 167, 236) contains.

RYB(135, 167, 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(135, 167, 236)

Conversions

Conversions Part 1

Format	Color
Hex	87B6EC
RGB	135, 182, 236
RGB Percent	53%, 71%, 93%
CMY	0.4706, 0.2869, 0.0745
CMYK	0.43, 0.23, 0.00, 0.07
HSL	212°, 73%, 73%
HSV	212°, 43%, 93%
XYZ	41.8273, 44.5977, 85.7606
YIQ	174.1030, -45.3460, 6.8300

Conversions

Conversions Part 2

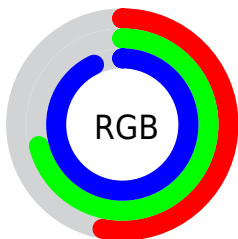
Format	Color
RYB	135, 167, 236
Decimal	8894188
CIELab	72.63, -1.69, -31.90
CIELCh	73, 31.944, 266.960
Yxy	44.5977, 0.2429, 0.2590
Android (android.graphics.Color)	4287084268 (0xFF87B6EC)
YUV	174.1030, 30.5152, -34.2933
Hunter-Lab	66.7815, -5.0675, -29.3930

Details

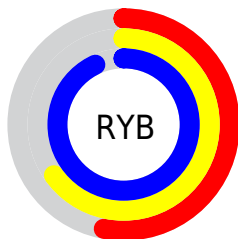
The RYB color **135, 167, 236** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **223, 236, 135**, and the grayscale version is **174, 174, 174**.

A 20% lighter version of the original color is **192, 219, 255**, and **79, 112, 180** is the 20% darker color. If you saturate the color by 10%, you get **111, 151, 236**, and if you desaturate by 10%, it is **159, 183, 236**.

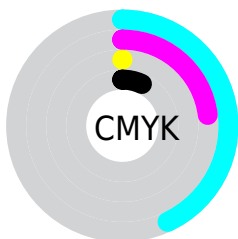
Distribution



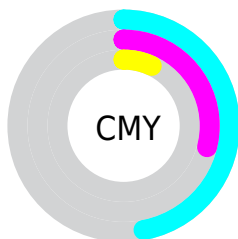
- Red (53%)
- Green (71%)
- Blue (93%)



- Red (53%)
- Yellow (65%)
- Blue (93%)



- Cyan (43%)
- Magenta (23%)
- Yellow (0%)
- Black (7%)




- Cyan (47%)
- Magenta (29%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 135, 167, 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 135, 167, 236 by changing the saturation by 10% instead.

 135, 167, 236

255, 255, 255


 192, 219, 255


 221, 238, 255

 250, 253, 255

 135, 167, 236

 107, 140, 208


 79, 112, 180

 50, 85, 153

 10, 54, 127

 0, 37, 102

 0, 25, 77

 0, 12, 54

 0, 2, 32

 0, 0, 5

■ 135, 167, 236

■ 135, 167, 236

■ 111, 151, 236

■ 159, 183, 236

■ 88, 135, 236

■ 182, 199, 236

■ 64, 119, 236

■ 206, 216, 236

■ 41, 103, 236

■ 229, 231, 236

■ 17, 87, 236

■ 251, 253, 236

■ 0, 75, 236

■ 236, 255, 236

Harmonies

Analogous

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



95, 150, 226



135, 167, 236



178, 172, 230

Triad

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



135, 167, 236



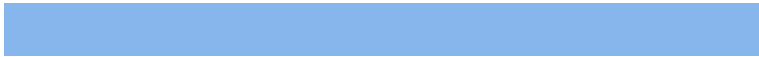
236, 158, 153



137, 184, 191

Complementary

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



135, 167, 236



223, 236, 135

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.



125, 184, 138



135, 167, 236



224, 186, 130

Square

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



135, 167, 236



233, 157, 182



158, 201, 120



104, 155, 194

Rectangle

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



135, 167, 236



203, 165, 218



158, 201, 120



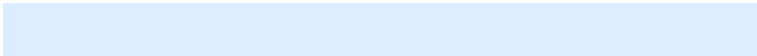
137, 189, 177

Sweetspot

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



135, 167, 236



222, 232, 255



135, 201, 236



107, 114, 128



0, 0, 0



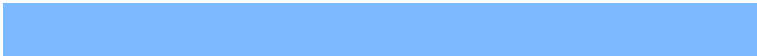
128, 128, 128

Same Dimension

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



135, 167, 236



125, 166, 255



138, 135, 236



106, 109, 117



0, 57, 181



0, 17, 54

Inverse Universe

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



236, 135, 182



255, 125, 185



135, 236, 138



117, 106, 111



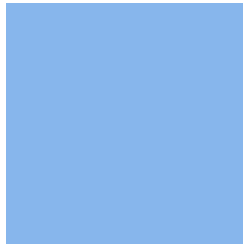
181, 0, 84



54, 0, 25

Previews

White Background



This preview shows how the RYB color 135, 167, 236 looks on a white background.

Color Contrast Check

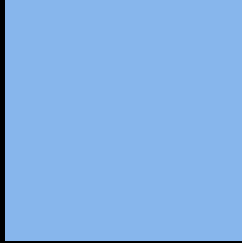
Large Text (above 18pt) WCAG AA × Fail

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 135, 167, 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

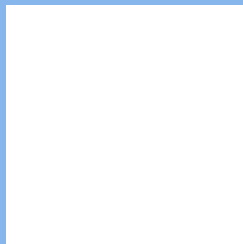
Any Text WCAG AAA ✓ Pass

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

RYB 135, 167, 236 Background



This preview shows how black text looks on a background with the RYB color 135, 167, 236.

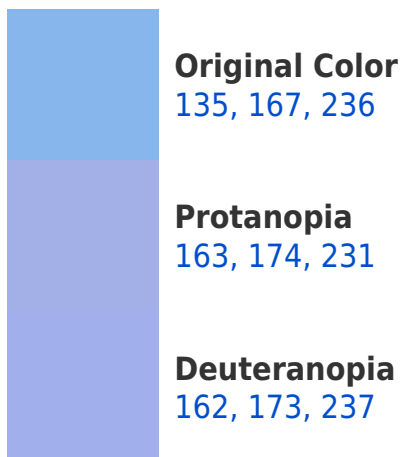


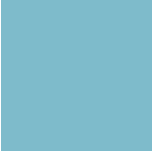
This preview shows how white text looks on a background with the RYB color 135, 167, 236.

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](#).

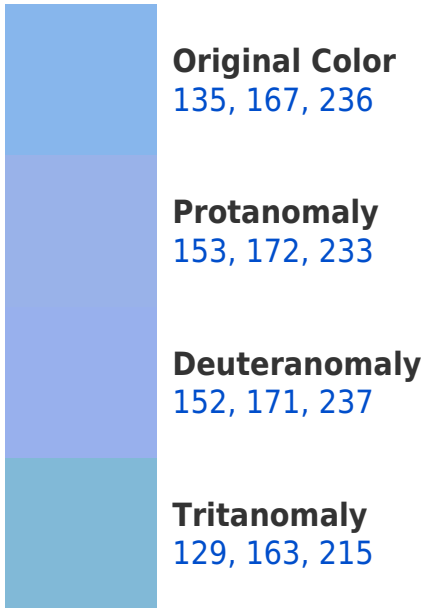
Dichromacy



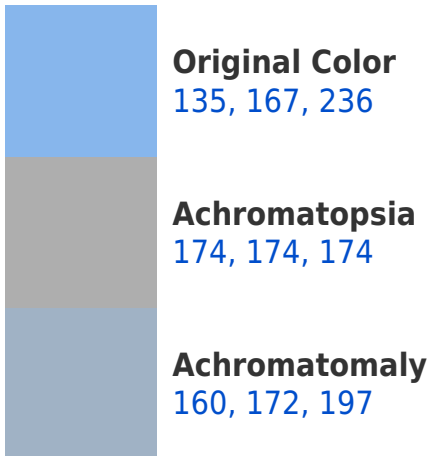


Tritanopia
126, 160, 203

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 135, 167, 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(135, 182, 236)` looks like.

```
.text, #text, p{  
    color:rgb(135, 182, 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(135, 182, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 182, 236) }
```

Border

The CSS property to change the border of an element to RYB 135, 167, 236 is called "border". The border property can be set on classes, ids or directly on the HTML element.

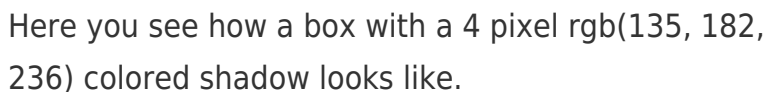
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 182, 236) }
```

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

```
.border{ border-color:rgb(135, 182, 236) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 182, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 182, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 182, 236);  
box-shadow:4px 4px 4px 4px rgb(135, 182,  
236) }
```

Background

The CSS property to change the background color of an element to RYB 135, 167, 236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 182, 236) }
```

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

```
.background{ background-color: rgb(135,  
182, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor