

Converting Colors

`RYB(180, 200, 249)`

Have a look what the booklet for RYB(180, 200, 249) contains.

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Color

R_YB(180, 200, 249)

Conversions

Conversions Part 1

Format	Color
Hex	B4D0F9
RGB	180, 208, 249
RGB Percent	71%, 82%, 98%
CMY	0.2941, 0.1837, 0.0235
CMYK	0.28, 0.16, 0.00, 0.02
HSL	216°, 85%, 84%
HSV	216°, 28%, 98%
XYZ	58.5170, 61.7343, 98.4543
YIQ	204.3020, -29.8490, 6.8150

Conversions

Conversions Part 2

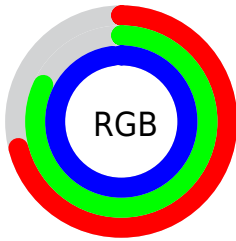
Format	Color
R _Y B	180, 200, 249
Decimal	11849977
CIE Lab	82.77, -0.39, -23.10
CIE LCh	83, 23.106, 269.042
Yxy	61.7343, 0.2676, 0.2823
Android (android.graphics.Color)	4290040057 (0xFFB4D0F9)
YUV	204.3020, 22.0361, -21.3129
Hunter-Lab	78.5712, -4.5591, -19.2940

Details

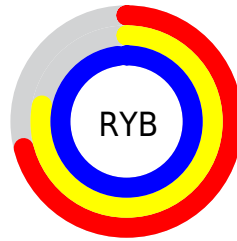
The RYB color **180, 200, 249** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **227, 249, 180**, and the grayscale version is **204, 204, 204**.

A 20% lighter version of the original color is **237, 246, 255**, and **126, 146, 192** is the 20% darker color. If you saturate the color by 10%, you get **155, 182, 249**, and if you desaturate by 10%, it is **205, 218, 249**.

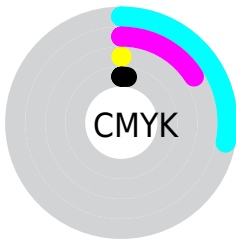
Distribution



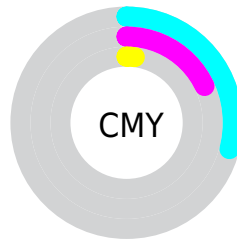
- Red (71%)
- Green (82%)
- Blue (98%)



- Red (71%)
- Yellow (78%)
- Blue (98%)



- Cyan (28%)
- Magenta (16%)
- Yellow (0%)
- Black (2%)



- Cyan (29%)
- Magenta (18%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 180, 200, 249 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 180, 200, 249 by changing the saturation by 10% instead.

 180, 200, 249


255, 255, 255

 237, 246, 255

 180, 200, 249


 153, 173, 220

 126, 146, 192


 99, 119, 165

 74, 94, 139

 48, 69, 113

 21, 44, 89

 0, 23, 65

 0, 10, 43

 0, 1, 22

■ 180, 200, 249

■ 180, 200, 249

■ 155, 182, 249

■ 205, 218, 249

■ 130, 165, 249

■ 230, 236, 249

■ 105, 147, 249

■ 255, 255, 249

■ 80, 129, 249

■ 249, 255, 249

■ 55, 111, 249

■ 31, 94, 249

■ 6, 76, 249

■ 0, 72, 249

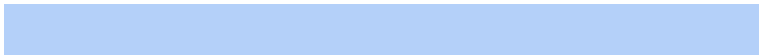
Harmonies

Analogous

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



156, 191, 243



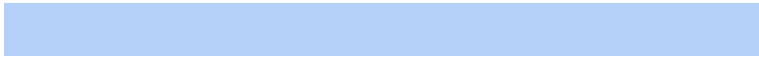
180, 200, 249



209, 201, 244

Triad

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



180, 200, 249



251, 193, 186



175, 209, 216

Complementary

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



180, 200, 249



227, 249, 180

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.



168, 211, 179



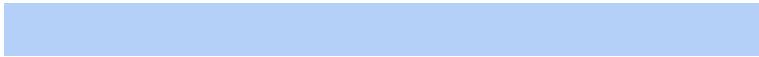
180, 200, 249



242, 213, 170

Square

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



180, 200, 249



248, 191, 208



191, 223, 163



155, 191, 219

Rectangle

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



180, 200, 249



226, 196, 235



191, 223, 163



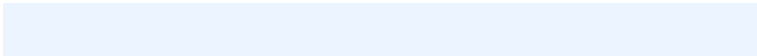
177, 215, 209

Sweetspot

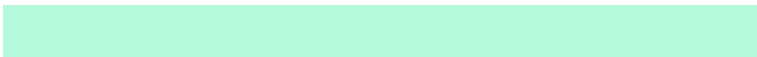
The Sweet Spot groups the original color and five complimentary colors.



180, 200, 249



235, 241, 255



180, 224, 249



115, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



180, 200, 249



171, 195, 255



186, 180, 249



112, 116, 125



0, 55, 189



0, 18, 61

Inverse Universe

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



249, 180, 208



255, 171, 205



180, 249, 186



125, 112, 118



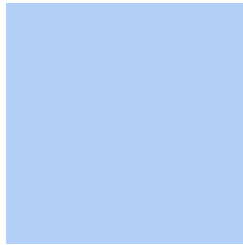
189, 0, 77



61, 0, 25

Previews

White Background



This preview shows how the RYB color 180, 200, 249 looks on a white background.

Color Contrast Check

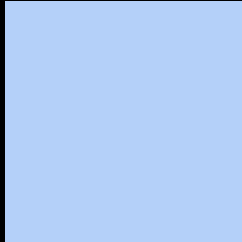
Large Text (above 18pt) WCAG AA × Fail

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 180, 200, 249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

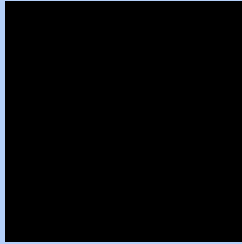
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

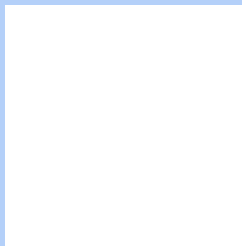
Any Text WCAG AAA ✓ Pass

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

RYB 180, 200, 249 Background



This preview shows how black text looks on a background with the RYB color 180, 200, 249.



This preview shows how white text looks on a background with the RYB color 180, 200, 249.

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
180, 200, 249

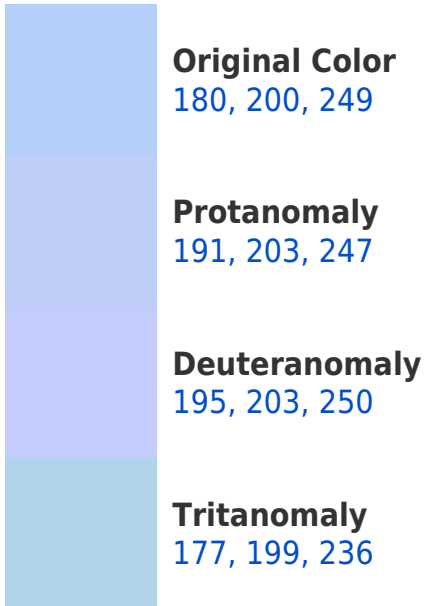
Protanopia
197, 203, 246

Deuteranopia
203, 201, 250

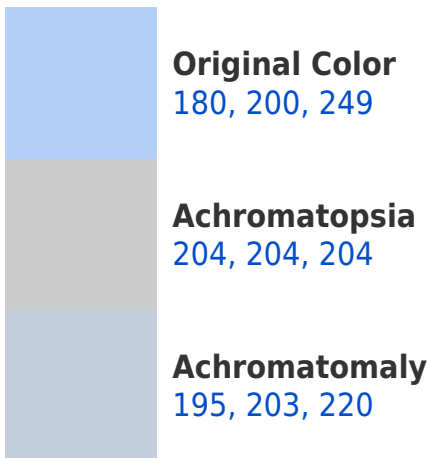


Tritanopia
176, 197, 229

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 180, 200, 249 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(180, 208, 249)` looks like.

```
.text, #text, p{  
    color:rgb(180, 208, 249)  
}
```

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(180, 208, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 208, 249) }
```

Border

The CSS property to change the border of an element to RYB 180, 200, 249 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(180, 208, 249) }
```

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

```
.border{ border-color:rgb(180, 208, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 208, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 208, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 208, 249);  
box-shadow:4px 4px 4px 4px rgb(180, 208,  
249) }
```

Background

The CSS property to change the background color of an element to RYB 180, 200, 249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 208, 249) }
```

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

```
.background{ background-color: rgb(180,  
208, 249) }
```

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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