

Converting Colors

`RYB(180, 219, 246)`

Have a look what the booklet for RYB(180, 219, 246) contains.

RYB(180, 219, 246)	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(180, 219, 246)

Conversions

Conversions Part 1

Format	Color
Hex	B4F6E2
RGB	180, 246, 226
RGB Percent	71%, 96%, 89%
CMY	0.2941, 0.0353, 0.1149
CMYK	0.27, 0.00, 0.08, 0.04
HSL	162°, 79%, 84%
HSV	162°, 27%, 96%
XYZ	65.4634, 81.0889, 83.9318
YIQ	223.9860, -32.9160, -20.2120

Conversions

Conversions Part 2

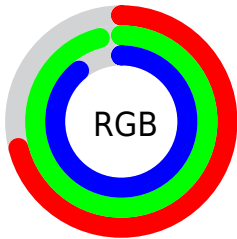
Format	Color
R _Y B	180, 219, 246
Decimal	11859682
CIE Lab	92.17, -24.70, 3.12
CIE LCh	92, 24.892, 172.795
Yxy	81.0889, 0.2840, 0.3518
Android (android.graphics.Color)	4290049762 (0xFFB4F6E2)
YUV	223.9860, 0.9929, -38.5757
Hunter-Lab	90.0494, -27.8219, 7.7725

Details

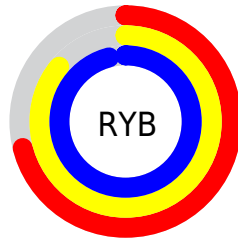
The RYB color **180, 219, 246** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **246, 180, 200**, and the grayscale version is **224, 224, 224**.

A 20% lighter version of the original color is **237, 246, 255**, and **125, 162, 189** is the 20% darker color. If you saturate the color by 10%, you get **155, 209, 246**, and if you desaturate by 10%, it is **205, 229, 246**.

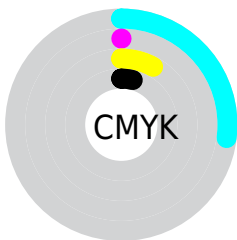
Distribution



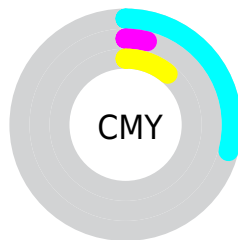
- Red (71%)
- Green (96%)
- Blue (89%)



- Red (71%)
- Yellow (86%)
- Blue (96%)



- Cyan (27%)
- Magenta (0%)
- Yellow (8%)
- Black (4%)



- Cyan (29%)
- Magenta (4%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 180, 219, 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 180, 219, 246 by changing the saturation by 10% instead.


 180, 219, 246


255, 255, 255


 237, 246, 255

 180, 219, 246

 152, 190, 217

 125, 163, 189

 99, 136, 162

 73, 110, 136

 47, 83, 110

 18, 57, 86

 0, 35, 62

 0, 24, 40


 0, 14, 14

 180, 219, 246


 180, 219, 246

 155, 209, 246


 205, 229, 246

 131, 199, 246


 229, 239, 246


 106, 189, 246

 254, 246, 248

 82, 179, 246

 255, 246, 255

 57, 169, 246

 32, 159, 246

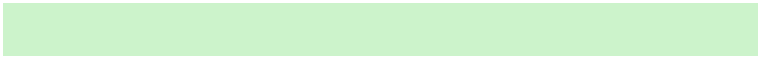
 8, 149, 246

 0, 145, 246

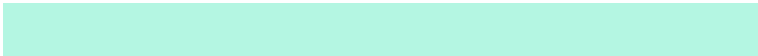
Harmonies

Analogous

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



203, 243, 242



180, 219, 246



167, 207, 250

Triad

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



180, 219, 246



229, 228, 255



255, 241, 195

Complementary

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



180, 219, 246



246, 180, 200

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, 216, 215



180, 219, 246



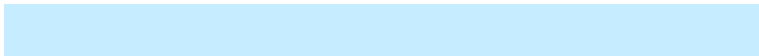
255, 221, 255

Square

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



180, 219, 246



198, 221, 255



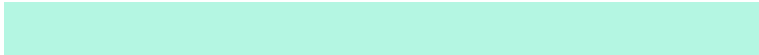
255, 216, 239



226, 255, 185

Rectangle

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



180, 219, 246



169, 209, 255



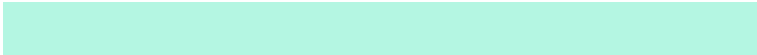
255, 216, 239



255, 228, 201

Sweetspot

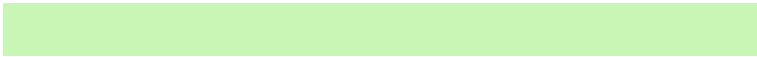
The Sweet Spot groups the original color and five complimentary colors.



180, 219, 246



235, 247, 255



180, 246, 225



115, 123, 128



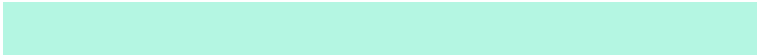
0, 0, 0



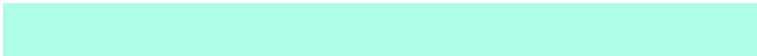
128, 128, 128

Same Dimension

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



180, 219, 246



173, 221, 255



180, 210, 246



110, 117, 122



0, 110, 186



0, 35, 59

Inverse Universe

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



246, 180, 200



255, 173, 199



246, 195, 180



122, 110, 114



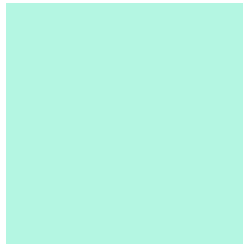
186, 0, 57



59, 0, 18

Previews

White Background



This preview shows how the RYB color 180, 219, 246 looks on a white background.

Color Contrast Check

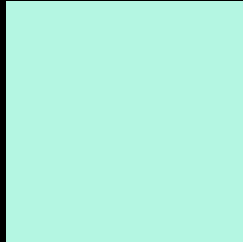
Large Text (above 18pt) WCAG AA × Fail

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 180, 219, 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

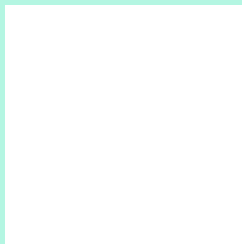
Any Text WCAG AAA ✓ Pass

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

RYB 180, 219, 246 Background



This preview shows how black text looks on a background with the RYB color 180, 219, 246.



This preview shows how white text looks on a background with the RYB color 180, 219, 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





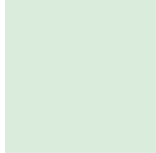
Tritanopia
197, 221, 255

Trichromacy



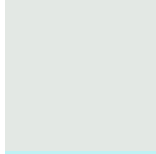
Original Color

180, 219, 246



Protanomaly

218, 234, 236



Deuteranomaly

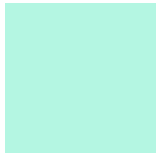
227, 231, 232



Tritanomaly

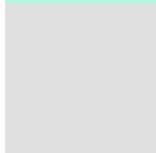
191, 217, 244

Monochromacy



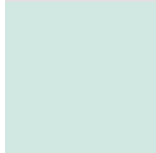
Original Color

180, 219, 246



Achromatopsia

224, 224, 224



Achromatomaly

208, 222, 232

CSS Examples

Text

The CSS property to change the color of the text to RYB 180, 219, 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(180, 246, 226)` looks like.

```
.text, #text, p{  
    color:rgb(180, 246, 226)  
}
```

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, 246, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 246, 226) }
```

Border

The CSS property to change the border of an element to RYB 180, 219, 246 is called "border". The border property can be set on classes, ids or directly on the HTML element.

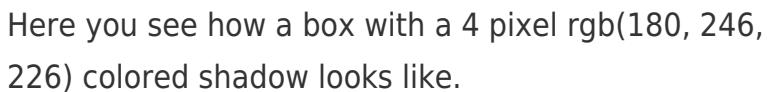
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(180, 246, 226) }
```

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

```
.border{ border-color:rgb(180, 246, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(180, 246, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 246, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 246, 226);  
box-shadow:4px 4px 4px 4px rgb(180, 246,  
226) }
```

Background

The CSS property to change the background color of an element to RYB 180, 219, 246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 246, 226) }
```

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

```
.background{ background-color: rgb(180,  
246, 226) }
```

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