

# Converting Colors

`RYB(181, 206, 230)`

Have a look what the booklet for  
RYB(181, 206, 230) contains.

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# Color

**R<sub>Y</sub>B(181, 206, 230)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5E6E4
RGB	181, 230, 228
RGB Percent	71%, 90%, 89%
CMY	0.2902, 0.0980, 0.1057
CMYK	0.21, 0.00, 0.01, 0.10
HSL	178°, 49%, 81%
HSV	178°, 21%, 90%
XYZ	61.3620, 72.0210, 84.0952
YIQ	215.1210, -28.5620, -11.0100

# Conversions

## Conversions Part 2

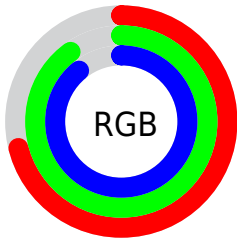
<b>Format</b>	<b>Color</b>
<b>RYB</b>	181, 206, 230
Decimal	11921124
CIELab	87.98, -16.04, -4.23
CIELCh	88, 16.592, 194.754
Yxy	72.0210, 0.2822, 0.3312
Android (android.graphics.Color)	4290111204 (0xFFB5E6E4)
YUV	215.1210, 6.3493, -29.9241
Hunter-Lab	84.8652, -19.4492, 0.6536

# Details

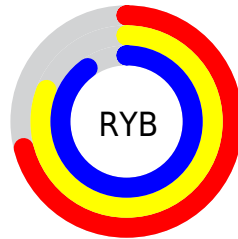
The RYB color **181, 206, 230** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **230, 181, 183**, and the grayscale version is **215, 215, 215**.

A 20% lighter version of the original color is **238, 247, 255**, and **127, 151, 174** is the 20% darker color. If you saturate the color by 10%, you get **158, 195, 230**, and if you desaturate by 10%, it is **204, 217, 230**.

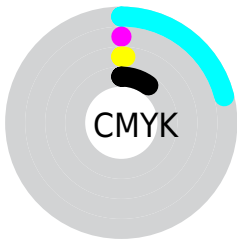
# Distribution



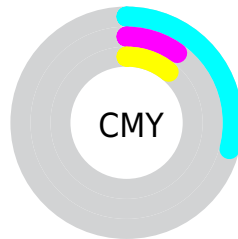
- Red (71%)
- Green (90%)
- Blue (89%)



- Red (71%)
- Yellow (81%)
- Blue (90%)



- Cyan (21%)
- Magenta (0%)
- Yellow (1%)
- Black (10%)



- Cyan (29%)
- Magenta (10%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 181, 206, 230 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 181, 206, 230 by changing the saturation by 10% instead.



■ 181, 206, 230

255, 255, 255

■ 238, 247, 255

■ 181, 206, 230

■ 154, 179, 202

■ 127, 151, 174

■ 101, 125, 148

■ 76, 100, 122

■ 51, 74, 97

■ 26, 50, 73


■ 0, 25, 50

■ 0, 15, 30

■ 0, 0, 2

 181, 206, 230


 181, 206, 230

 158, 195, 230


 204, 217, 230

 135, 184, 230


 227, 229, 230

 112, 172, 230


 250, 230, 231

 89, 161, 230


 255, 230, 232

 66, 150, 230


 255, 230, 233

 43, 138, 230

 255, 230, 234

 20, 127, 230

 255, 230, 235

 0, 117, 230

 255, 230, 236

# Harmonies

## Analogous

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



191, 215, 229



181, 206, 230



182, 208, 242

# Triad

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



181, 206, 230



233, 214, 243



237, 241, 191

# Complementary

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



181, 206, 230



230, 181, 183

# 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.



252, 216, 199



181, 206, 230



248, 211, 229

# Square

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



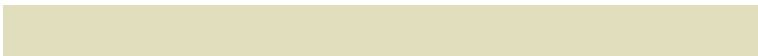
181, 206, 230



213, 218, 251



254, 210, 213



193, 225, 190

# Rectangle

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



181, 206, 230



189, 212, 249



254, 210, 213



245, 231, 193



# Sweetspot

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



181, 206, 230



240, 248, 255



181, 230, 228



119, 124, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



181, 206, 230



189, 223, 255



181, 198, 230



103, 109, 115



0, 92, 179



0, 26, 51



# Inverse Universe

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



230, 181, 183



255, 189, 191



230, 221, 181



115, 103, 104



179, 0, 7

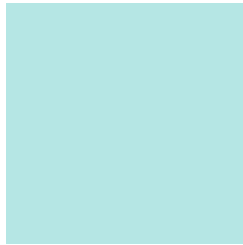


51, 0, 2



# Previews

## White Background



This preview shows how the RYB color 181, 206, 230 looks on a white background.

## Color Contrast Check

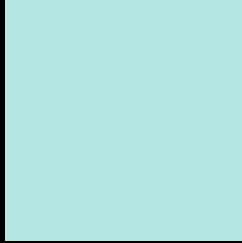
Large Text (above 18pt) WCAG AA × Fail

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 181, 206, 230 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 181, 206, 230 Background**



This preview shows how black text looks on a background with the RYB color 181, 206, 230.



This preview shows how white text looks on a background with the RYB color 181, 206, 230.

# 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**  
185, 210, 245

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to RYB 181, 206, 230 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(181, 230, 228)` looks like.

```
.text, #text, p{  
    color:rgb(181, 230, 228)  
}
```

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(181, 230, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 230, 228) }
```

## Border

The CSS property to change the border of an element to RYB 181, 206, 230 is called "border". The border property can be set on classes, ids or directly on the HTML element.

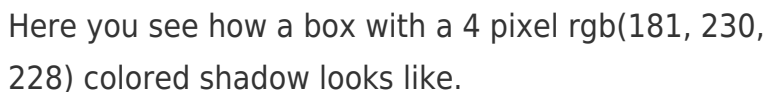
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 230, 228) }
```

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

```
.border{ border-color:rgb(181, 230, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(181, 230, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 230, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 230, 228); box-shadow:4px 4px 4px 4px rgb(181, 230, 228) }
```

# Background

The CSS property to change the background color of an element to RYB 181, 206, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 230, 228) }
```

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

```
.background{ background-color: rgb(181,  
230, 228) }
```

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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