

Converting Colors

`RYB(178, 205, 230)`

Have a look what the booklet for
RYB(178, 205, 230) contains.

RYB(178, 205, 230)	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(178, 205, 230)

Conversions

Conversions Part 1

Format	Color
Hex	B2E6E2
RGB	178, 230, 226
RGB Percent	70%, 90%, 89%
CMY	0.3020, 0.0980, 0.1131
CMYK	0.23, 0.00, 0.02, 0.10
HSL	176°, 51%, 80%
HSV	176°, 23%, 90%
XYZ	60.4047, 71.5577, 82.6865
YIQ	213.9960, -29.7080, -12.2680

Conversions

Conversions Part 2

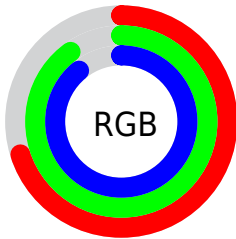
Format	Color
RYB	178, 205, 230
Decimal	11724514
CIELab	87.76, -17.34, -3.58
CIELCh	88, 17.706, 191.665
Yxy	71.5577, 0.2814, 0.3334
Android (android.graphics.Color)	4289914594 (0xFFB2E6E2)
YUV	213.9960, 5.9180, -31.5685
Hunter-Lab	84.5918, -20.5736, 1.2597

Details

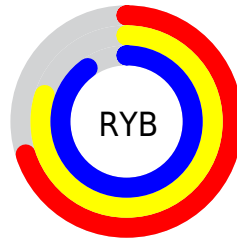
The RYB color **178, 205, 230** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **230, 178, 182**, and the grayscale version is **214, 214, 214**.

A 20% lighter version of the original color is **235, 245, 255**, and **124, 150, 174** is the 20% darker color. If you saturate the color by 10%, you get **155, 194, 230**, and if you desaturate by 10%, it is **201, 216, 230**.

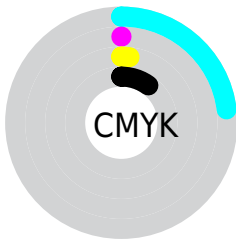
Distribution



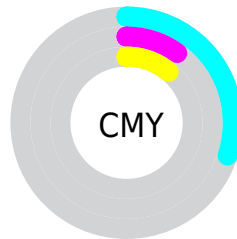
- Red (70%)
- Green (90%)
- Blue (89%)



- Red (70%)
- Yellow (80%)
- Blue (90%)



- Cyan (23%)
- Magenta (0%)
- Yellow (2%)
- Black (10%)



- Cyan (30%)
- Magenta (10%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 178, 205, 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 178, 205, 230 by changing the saturation by 10% instead.

 178, 205, 230


255, 255, 255

 235, 245, 255


 178, 205, 230

 151, 178, 202

 124, 150, 174


 98, 124, 148

 73, 98, 122

 48, 73, 97

 22, 48, 73


 0, 26, 50


 0, 16, 30


 0, 0, 0

 178, 205, 230

 178, 205, 230

 155, 194, 230


 201, 216, 230

 132, 183, 230


 224, 227, 230

 109, 172, 230


 247, 230, 231

 86, 161, 230


 255, 230, 233

 63, 150, 230


 255, 230, 235

 40, 139, 230

 255, 230, 236

 17, 128, 230

 255, 230, 238

 0, 119, 230

 255, 230, 240

 255, 230, 241

Harmonies

Analogous

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



189, 216, 229



178, 205, 230



178, 206, 242

Triad

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



178, 205, 230



231, 214, 245



243, 239, 189

Complementary

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



178, 205, 230



230, 178, 182

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.



254, 215, 198



178, 205, 230



248, 210, 231

Square

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



178, 205, 230



210, 217, 253



255, 208, 214



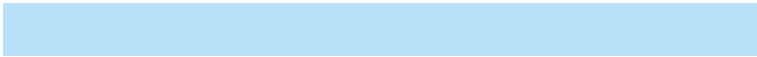
194, 227, 187

Rectangle

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



178, 205, 230



185, 210, 249



255, 208, 214



248, 230, 191

Sweetspot

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



178, 205, 230



237, 246, 255



178, 230, 226



117, 123, 128



0, 0, 0



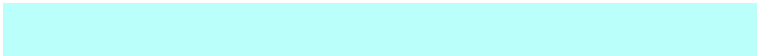
128, 128, 128

Same Dimension

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



178, 205, 230



186, 222, 255



178, 197, 230



103, 109, 115



0, 93, 179



0, 27, 51

Inverse Universe

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



230, 178, 182



255, 186, 191



230, 216, 178



115, 103, 104



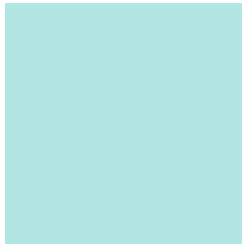
179, 0, 13



51, 0, 4

Previews

White Background



This preview shows how the RYB color 178, 205, 230 looks on a white background.

Color Contrast Check

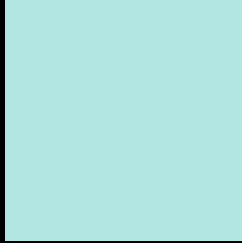
Large Text (above 18pt) WCAG AA × Fail

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 178, 205, 230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

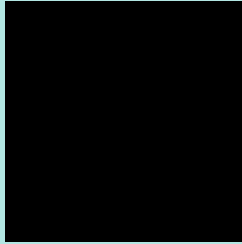
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

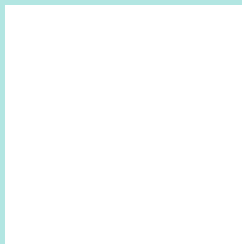
Any Text WCAG AAA ✓ Pass

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

RYB 178, 205, 230 Background



This preview shows how black text looks on a background with the RYB color 178, 205, 230.



This preview shows how white text looks on a background with the RYB color 178, 205, 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](#).

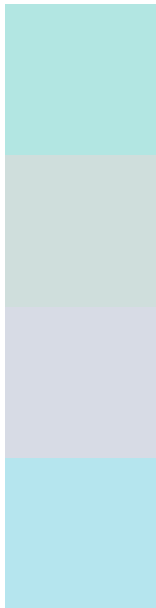
Dichromacy





Tritanopia
182, 208, 245

Trichromacy



Original Color
178, 205, 230

Protanomaly
207, 215, 222

Deuteranomaly
215, 218, 229

Tritanomaly
181, 207, 238

Monochromacy



Original Color
178, 205, 230

Achromatopsia
214, 214, 214

Achromatomaly
201, 211, 220

CSS Examples

Text

The CSS property to change the color of the text to RYB 178, 205, 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(178, 230, 226)` looks like.

```
.text, #text, p{  
    color:rgb(178, 230, 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(178, 230, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 230, 226) }
```

Border

The CSS property to change the border of an element to RYB 178, 205, 230 is called "border". The border property can be set on classes, ids or directly on the HTML element.

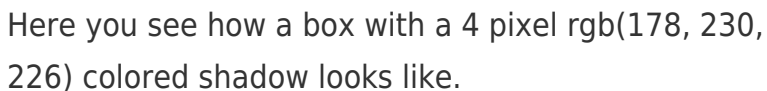
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 230, 226) }
```

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

```
.border{ border-color:rgb(178, 230, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(178, 230, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 230, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 230, 226); box-shadow:4px 4px 4px 4px rgb(178, 230, 226) }
```

Background

The CSS property to change the background color of an element to RYB 178, 205, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 230, 226) }
```

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

```
.background{ background-color: rgb(178,  
230, 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