

Converting Colors

`RYB(177, 203, 231)`

Have a look what the booklet for
RYB(177, 203, 231) contains.

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Color

R_YB(177, 203, 231)

Conversions

Conversions Part 1

Format	Color
Hex	B1E3E7
RGB	177, 227, 231
RGB Percent	69%, 89%, 91%
CMY	0.3059, 0.1092, 0.0941
CMYK	0.23, 0.02, 0.00, 0.09
HSL	184°, 53%, 80%
HSV	184°, 23%, 91%
XYZ	60.0634, 70.1330, 85.9726
YIQ	212.5060, -31.0840, -9.3560

Conversions

Conversions Part 2

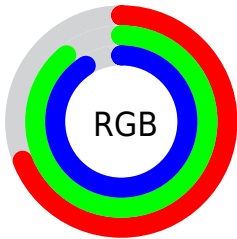
Format	Color
RYB	177, 203, 231
Decimal	11658215
CIELab	87.06, -15.16, -7.16
CIElCh	87, 16.770, 205.280
Yxy	70.1330, 0.2779, 0.3244
Android (android.graphics.Color)	4289848295 (0xFFB1E3E7)
YUV	212.5060, 9.1175, -31.1388
Hunter-Lab	83.7454, -18.5317, -2.2450

Details

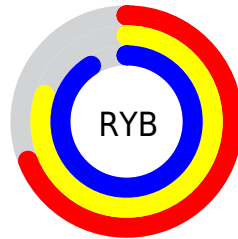
The RYB color **177, 203, 231** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **231, 181, 177**, and the grayscale version is **213, 213, 213**.

A 20% lighter version of the original color is **234, 245, 255**, and **123, 148, 175** is the 20% darker color. If you saturate the color by 10%, you get **154, 191, 231**, and if you desaturate by 10%, it is **200, 215, 231**.

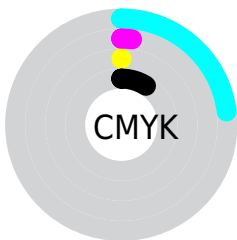
Distribution



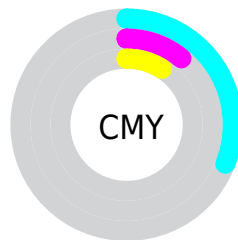
- Red (69%)
- Green (89%)
- Blue (91%)



- Red (69%)
- Yellow (80%)
- Blue (91%)



- Cyan (23%)
- Magenta (2%)
- Yellow (0%)
- Black (9%)



- Cyan (31%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 177, 203, 231 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 177, 203, 231 by changing the saturation by 10% instead.

 177, 203, 231


255, 255, 255

 234, 245, 255

 177, 203, 231

 150, 175, 203

 123, 148, 175


 97, 122, 149

 72, 96, 123

 46, 71, 98

 20, 46, 74


 0, 25, 52

 0, 15, 31


 0, 0, 5

 177, 203, 231

 177, 203, 231

 154, 191, 231


 200, 215, 231

 131, 179, 231


 223, 227, 231

 108, 167, 231


 246, 232, 231

 85, 155, 231


 255, 234, 231

 62, 143, 231


 255, 236, 231

 38, 131, 231

 255, 239, 231

 15, 119, 231

 255, 243, 231

 0, 111, 231

 255, 245, 231

 255, 251, 231

Harmonies

Analogous

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



183, 208, 227



177, 203, 231



182, 207, 244

Triad

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



177, 203, 231



237, 210, 236



216, 234, 187

Complementary

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



177, 203, 231



231, 181, 177

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.



246, 221, 192



177, 203, 231



249, 207, 221

Square

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



177, 203, 231



218, 215, 247



252, 208, 205



189, 221, 194

Rectangle

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



177, 203, 231



192, 212, 248



252, 208, 205



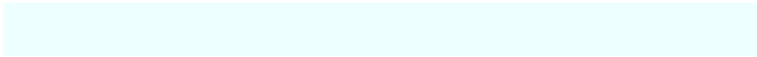
237, 239, 188

Sweetspot

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



177, 203, 231



237, 246, 255



177, 227, 231



117, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



177, 203, 231



184, 218, 255



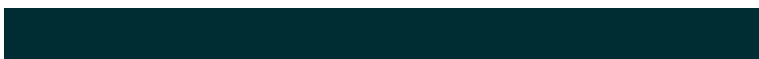
177, 193, 231



103, 109, 115



0, 86, 179



0, 24, 51

Inverse Universe

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



231, 177, 227



255, 184, 250



217, 231, 177



115, 103, 114



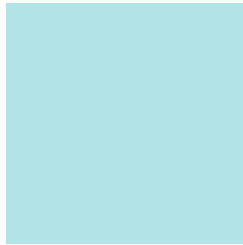
179, 0, 166



51, 0, 47

Previews

White Background



This preview shows how the RYB color 177, 203, 231 looks on a white background.

Color Contrast Check

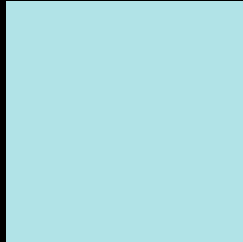
Large Text (above 18pt) WCAG AA × Fail

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 177, 203, 231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

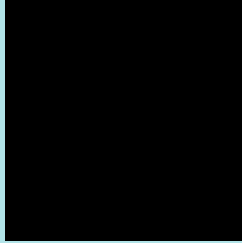
Any Text WCAG AA ✓ Pass

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 177, 203, 231 Background



This preview shows how black text looks on a background with the RYB color 177, 203, 231.



This preview shows how white text looks on a background with the RYB color 177, 203, 231.

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





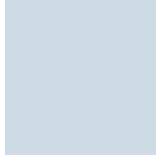
Tritanopia
180, 206, 243

Trichromacy



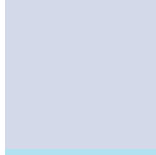
Original Color

177, 203, 231



Protanomaly

204, 213, 227



Deuteranomaly

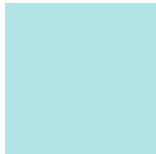
211, 216, 233



Tritanomaly

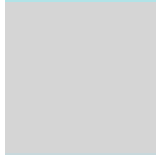
179, 205, 239

Monochromacy



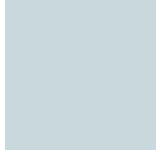
Original Color

177, 203, 231



Achromatopsia

213, 213, 213



Achromatomaly

200, 209, 220

CSS Examples

Text

The CSS property to change the color of the text to RYB 177, 203, 231 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(177, 227, 231)` looks like.

```
.text, #text, p{  
    color:rgb(177, 227, 231)  
}
```

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(177, 227, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 227, 231) }
```

Border

The CSS property to change the border of an element to RYB 177, 203, 231 is called "border". The border property can be set on classes, ids or directly on the HTML element.

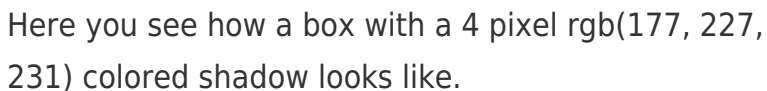
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 227, 231) }
```

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

```
.border{ border-color:rgb(177, 227, 231) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 227, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 227, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 227, 231);  
box-shadow:4px 4px 4px 4px rgb(177, 227,  
231) }
```

Background

The CSS property to change the background color of an element to RYB 177, 203, 231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 227, 231) }
```

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

```
.background{ background-color: rgb(177,  
227, 231) }
```

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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