

Converting Colors

`RYB(180, 202, 217)`

Have a look what the booklet for RYB(180, 202, 217) contains.

RYB(180, 202, 217)	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, 202, 217)

Conversions

Conversions Part 1

Format	Color
Hex	B4D9CD
RGB	180, 217, 205
RGB Percent	71%, 85%, 80%
CMY	0.2941, 0.1490, 0.1952
CMYK	0.17, 0.00, 0.05, 0.15
HSL	161°, 33%, 78%
HSV	161°, 17%, 85%
XYZ	54.6822, 63.7478, 67.3240
YIQ	204.5690, -18.2000, -11.5760

Conversions

Conversions Part 2

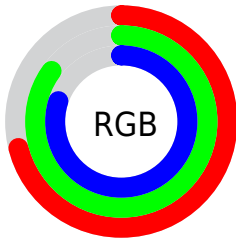
Format	Color
R _{YB}	180, 202, 217
Decimal	11852237
CIE _{Lab}	83.83, -14.47, 1.74
CIE _{LCh}	84, 14.572, 173.133
Y _{xy}	63.7478, 0.2944, 0.3432
Android (android.graphics.Color)	4290042317 (0xFFB4D9CD)
YUV	204.5690, 0.2125, -21.5470
Hunter-Lab	79.8422, -17.4732, 5.8954

Details

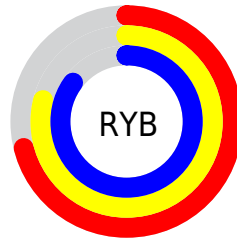
The RYB color **180, 202, 217** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **217, 180, 192**, and the grayscale version is **205, 205, 205**.

A 20% lighter version of the original color is **236, 246, 255**, and **127, 148, 162** is the 20% darker color. If you saturate the color by 10%, you get **158, 193, 217**, and if you desaturate by 10%, it is **202, 211, 217**.

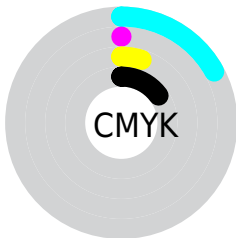
Distribution



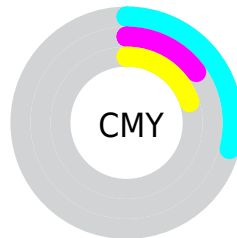
- Red (71%)
- Green (85%)
- Blue (80%)



- Red (71%)
- Yellow (79%)
- Blue (85%)



- Cyan (17%)
- Magenta (0%)
- Yellow (5%)
- Black (15%)



- Cyan (29%)
- Magenta (15%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 180, 202, 217 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, 202, 217 by changing the saturation by 10% instead.

 180, 202, 217


255, 255, 255

 236, 246, 255


 180, 202, 217

 153, 174, 189

 127, 148, 162


 101, 122, 136

 77, 96, 110

 53, 72, 86

 30, 49, 63


 7, 26, 40

 0, 15, 21

 0, 0, 0

 180, 202, 217

 180, 202, 217

 158, 193, 217


 202, 211, 217

 137, 185, 217


 223, 217, 219

 115, 175, 217


 245, 217, 226

 93, 167, 217

 255, 217, 233

 71, 158, 217


 255, 217, 240

 50, 149, 217

 255, 217, 247

 28, 140, 217

 255, 217, 254

 6, 131, 217

 255, 217, 255

 0, 129, 217

Harmonies

Analogous

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



192, 215, 214



180, 202, 217



174, 196, 219

Triad

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



180, 202, 217



208, 207, 234



234, 210, 188

Complementary

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



180, 202, 217



217, 180, 192

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.



239, 200, 199



180, 202, 217



224, 202, 226

Square

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



180, 202, 217



191, 205, 236



235, 200, 213



208, 223, 182

Rectangle

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



180, 202, 217



176, 198, 227



235, 200, 213



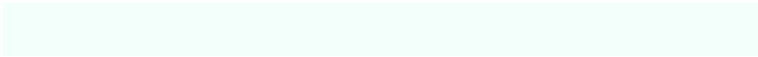
237, 205, 191

Sweetspot

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



180, 202, 217



242, 250, 255



180, 217, 205



120, 125, 128



0, 0, 0



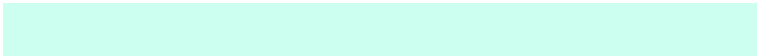
128, 128, 128

Same Dimension

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



180, 202, 217



204, 234, 255



180, 197, 217



99, 106, 110



0, 103, 173



0, 27, 46

Inverse Universe

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



217, 180, 192



255, 204, 220



217, 187, 180



110, 99, 102



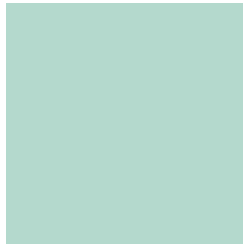
173, 0, 55



46, 0, 15

Previews

White Background



This preview shows how the RYB color 180, 202, 217 looks on a white background.

Color Contrast Check

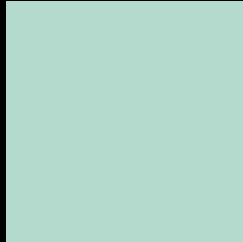
Large Text (above 18pt) WCAG AA × Fail

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, 202, 217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

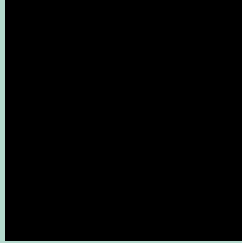
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

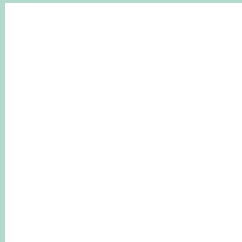
Any Text WCAG AAA ✓ Pass

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

RYB 180, 202, 217 Background



This preview shows how black text looks on a background with the RYB color 180, 202, 217.

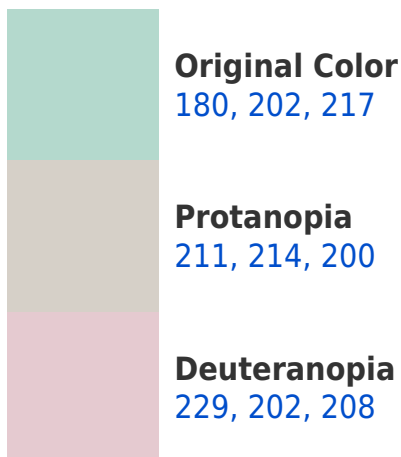


This preview shows how white text looks on a background with the RYB color 180, 202, 217.

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](#).

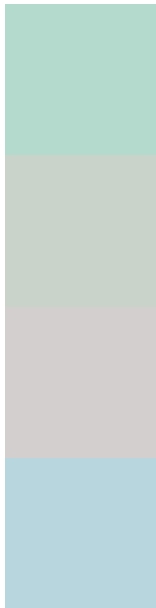
Dichromacy





Tritanopia
185, 202, 230

Trichromacy



Original Color
180, 202, 217

Protanomaly
202, 211, 211

Deuteranomaly
211, 207, 207

Tritanomaly
183, 200, 221

Monochromacy



Original Color
180, 202, 217

Achromatopsia
205, 205, 205

Achromatomaly
196, 204, 209

CSS Examples

Text

The CSS property to change the color of the text to RYB 180, 202, 217 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, 217, 205)` looks like.

```
.text, #text, p{  
    color:rgb(180, 217, 205)  
}
```

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, 217, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 217, 205) }
```

Border

The CSS property to change the border of an element to RYB 180, 202, 217 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, 217, 205) }
```

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

```
.border{ border-color:rgb(180, 217, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 217, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 217, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 217, 205);  
box-shadow:4px 4px 4px 4px rgb(180, 217,  
205) }
```

Background

The CSS property to change the background color of an element to RYB 180, 202, 217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 217, 205) }
```

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

```
.background{ background-color: rgb(180,  
217, 205) }
```

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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