

Converting Colors

`RYB(180, 195, 227)`

Have a look what the booklet for
RYB(180, 195, 227) contains.

RYB(180, 195, 227)	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, 195, 227)

Conversions

Conversions Part 1

Format	Color
Hex	B4CAE3
RGB	180, 202, 227
RGB Percent	71%, 79%, 89%
CMY	0.2941, 0.2077, 0.1098
CMYK	0.21, 0.11, 0.00, 0.11
HSL	212°, 46%, 80%
HSV	212°, 21%, 89%
XYZ	53.8154, 57.5051, 80.9363
YIQ	198.2720, -21.1370, 3.1110

Conversions

Conversions Part 2

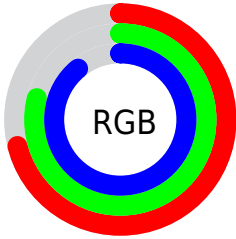
Format	Color
RYB	180, 195, 227
Decimal	11848419
CIELab	80.46, -2.14, -14.86
CIELCh	80, 15.011, 261.785
Yxy	57.5051, 0.2799, 0.2991
Android (android.graphics.Color)	4290038499 (0xFFB4CAE3)
YUV	198.2720, 14.1629, -16.0245
Hunter-Lab	75.8321, -6.0310, -10.1983

Details

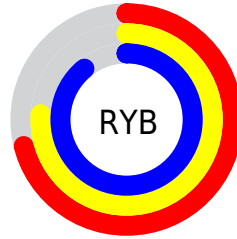
The RYB color **180, 195, 227** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **221, 227, 180**, and the grayscale version is **198, 198, 198**.

A 20% lighter version of the original color is **236, 246, 255**, and **127, 141, 172** is the 20% darker color. If you saturate the color by 10%, you get **157, 179, 227**, and if you desaturate by 10%, it is **203, 211, 227**.

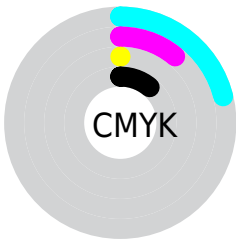
Distribution



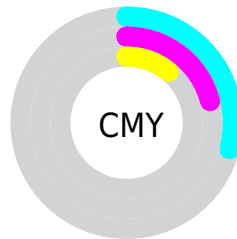
- Red (71%)
- Green (79%)
- Blue (89%)



- Red (71%)
- Yellow (76%)
- Blue (89%)



- Cyan (21%)
- Magenta (11%)
- Yellow (0%)
- Black (11%)




- Cyan (29%)
- Magenta (21%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the RYB color 180, 195, 227 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, 195, 227 by changing the saturation by 10% instead.


 180, 195, 227


255, 255, 255

 236, 246, 255

 180, 195, 227

 153, 168, 199

 127, 141, 172

 101, 115, 145

 76, 91, 119

 52, 67, 95

 29, 43, 71

 4, 20, 48

 0, 4, 28

 0, 0, 0

■ 180, 195, 227

■ 180, 195, 227

■ 157, 179, 227

■ 203, 211, 227

■ 135, 164, 227

■ 225, 226, 227

■ 112, 149, 227

■ 246, 248, 227

■ 89, 133, 227

■ 233, 255, 227

■ 67, 118, 227

■ 227, 255, 227

■ 44, 103, 227

■ 21, 87, 227

■ 0, 72, 227

Harmonies

Analogous

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



167, 190, 221



180, 195, 227



198, 197, 226

Triad

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



180, 195, 227



230, 190, 190



182, 206, 204

Complementary

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



180, 195, 227



221, 227, 180

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.



174, 202, 176



180, 195, 227



226, 200, 178

Square

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



180, 195, 227



226, 190, 204



203, 215, 172



170, 193, 208

Rectangle

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



180, 195, 227



209, 194, 221



203, 215, 172



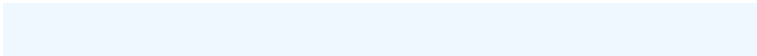
178, 205, 194

Sweetspot

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



180, 195, 227



240, 245, 255



180, 211, 227



119, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



180, 195, 227



191, 211, 255



181, 180, 227



103, 107, 115



0, 57, 179



0, 16, 51

Inverse Universe

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



227, 180, 202



255, 191, 221



180, 227, 181



115, 103, 109



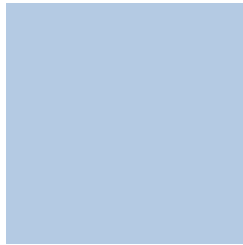
179, 0, 84



51, 0, 24

Previews

White Background



This preview shows how the RYB color 180, 195, 227 looks on a white background.

Color Contrast Check

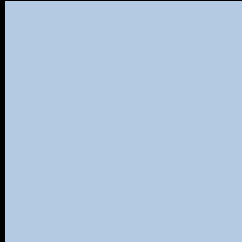
Large Text (above 18pt) WCAG AA × Fail

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, 195, 227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

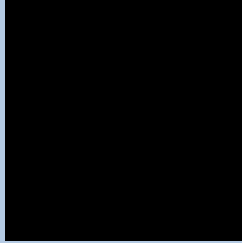
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

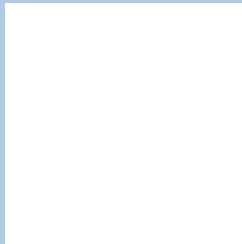
Any Text WCAG AAA ✓ Pass

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

RYB 180, 195, 227 Background



This preview shows how black text looks on a background with the RYB color 180, 195, 227.



This preview shows how white text looks on a background with the RYB color 180, 195, 227.

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



Original Color
180, 195, 227

Protanopia
195, 198, 224

Deuteranopia
205, 194, 229



Tritanopia
179, 194, 219

Trichromacy



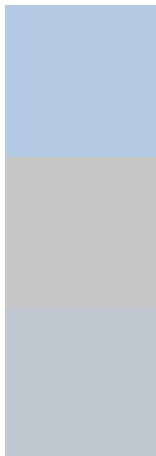
Original Color
180, 195, 227

Protanomaly
190, 197, 225

Deuteranomaly
196, 197, 228

Tritanomaly
179, 194, 222

Monochromacy



Original Color
180, 195, 227

Achromatopsia
198, 198, 198

Achromatomaly
191, 197, 209

CSS Examples

Text

The CSS property to change the color of the text to RYB 180, 195, 227 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, 202, 227)` looks like.

```
.text, #text, p{  
    color:rgb(180, 202, 227)  
}
```

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, 202, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 202, 227) }
```

Border

The CSS property to change the border of an element to RYB 180, 195, 227 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, 202, 227) }
```

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

```
.border{ border-color:rgb(180, 202, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 202, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 202, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 202, 227); box-shadow:4px 4px 4px 4px rgb(180, 202, 227) }
```

Background

The CSS property to change the background color of an element to RYB 180, 195, 227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 202, 227) }
```

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

```
.background{ background-color: rgb(180,  
202, 227) }
```

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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