

Converting Colors

`RYB(165, 197, 223)`

Have a look what the booklet for
RYB(165, 197, 223) contains.

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Color

R_YB(165, 197, 223)

Conversions

Conversions Part 1

Format	Color
Hex	A5DFD4
RGB	165, 223, 212
RGB Percent	65%, 87%, 83%
CMY	0.3529, 0.1255, 0.1681
CMYK	0.26, 0.00, 0.05, 0.13
HSL	169°, 48%, 76%
HSV	169°, 26%, 87%
XYZ	53.8042, 65.5345, 72.1837
YIQ	204.4040, -31.0370, -15.7170

Conversions

Conversions Part 2

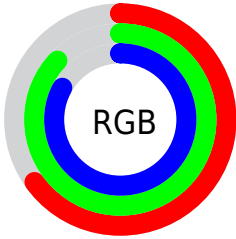
Format	Color
R _{YB}	165, 197, 223
Decimal	10870740
CIE Lab	84.76, -20.69, -0.67
CIE LCh	85, 20.700, 181.853
Yxy	65.5345, 0.2809, 0.3422
Android (android.graphics.Color)	4289060820 (0xFFA5DFD4)
YUV	204.4040, 3.7448, -34.5573
Hunter-Lab	80.9534, -23.0316, 3.8002

Details

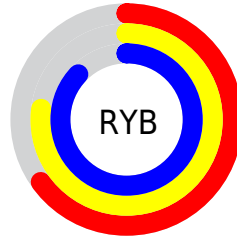
The RYB color **165, 197, 223** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **223, 165, 176**, and the grayscale version is **204, 204, 204**.

A 20% lighter version of the original color is **221, 238, 255**, and **111, 143, 168** is the 20% darker color. If you saturate the color by 10%, you get **143, 187, 223**, and if you desaturate by 10%, it is **187, 207, 223**.

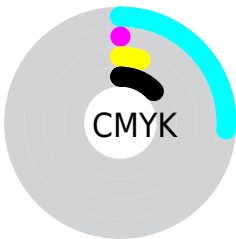
Distribution



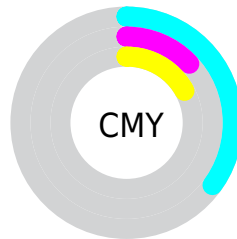
- Red (65%)
- Green (87%)
- Blue (83%)



- Red (65%)
- Yellow (77%)
- Blue (87%)



- Cyan (26%)
- Magenta (0%)
- Yellow (5%)
- Black (13%)




- Cyan (35%)
- Magenta (13%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the RYB color 165, 197, 223 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 165, 197, 223 by changing the saturation by 10% instead.


 165, 197, 223


255, 255, 255


 221, 238, 255

 250, 253, 255

 165, 197, 223

 138, 170, 195

 111, 142, 168


 86, 116, 141

 60, 90, 115

 34, 65, 91

 3, 37, 67


 0, 24, 44

 0, 16, 26


 0, 0, 0

 165, 197, 223


 165, 197, 223

 143, 187, 223


 187, 207, 223

 120, 177, 223


 210, 217, 223

 98, 167, 223


 232, 223, 225

 76, 157, 223

 254, 223, 229

 54, 147, 223

 255, 223, 233

 31, 137, 223

 255, 223, 237

 9, 127, 223

 255, 223, 241

 0, 123, 223

 255, 223, 246

 255, 223, 250

Harmonies

Analogous

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



182, 212, 221



165, 197, 223



159, 193, 231

Triad

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



165, 197, 223



217, 206, 245



243, 221, 178

Complementary

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



165, 197, 223



223, 165, 176

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, 200, 192



165, 197, 223



238, 201, 230

Square

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



165, 197, 223



191, 207, 250



251, 198, 211



194, 226, 173

Rectangle

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



165, 197, 223



164, 197, 242



251, 198, 211



247, 211, 182

Sweetspot

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



165, 197, 223



235, 246, 255



165, 223, 211



115, 122, 128



0, 0, 0



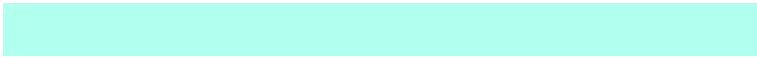
128, 128, 128

Same Dimension

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



165, 197, 223



176, 220, 255



165, 189, 223



101, 107, 112



0, 97, 176



0, 26, 48

Inverse Universe

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



223, 165, 176



255, 176, 191



223, 189, 165



112, 101, 103



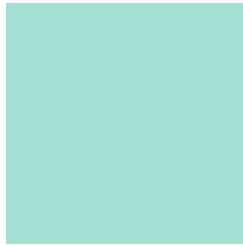
176, 0, 33



48, 0, 9

Previews

White Background



This preview shows how the RYB color 165, 197, 223 looks on a white background.

Color Contrast Check

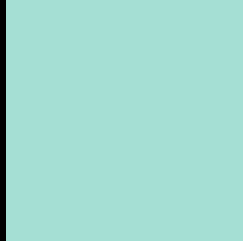
Large Text (above 18pt) WCAG AA × Fail

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 165, 197, 223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

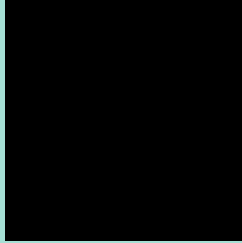
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

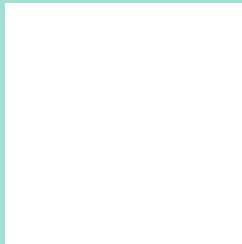
Any Text WCAG AAA ✓ Pass

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

RYB 165, 197, 223 Background



This preview shows how black text looks on a background with the RYB color 165, 197, 223.

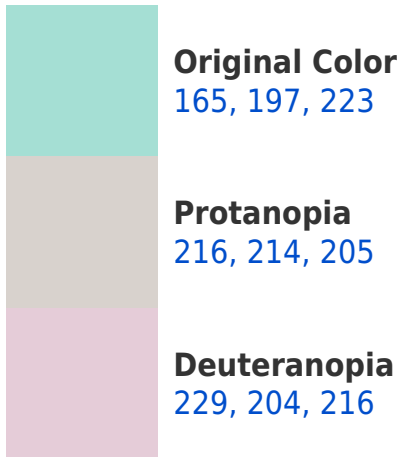


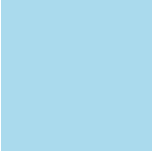
This preview shows how white text looks on a background with the RYB color 165, 197, 223.

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





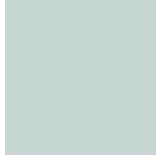
Tritanopia
170, 198, 237

Trichromacy



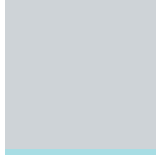
Original Color

165, 197, 223



Protanomaly

197, 208, 215



Deuteranomaly

206, 209, 215



Tritanomaly

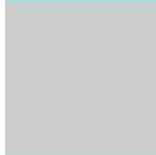
168, 196, 228

Monochromacy



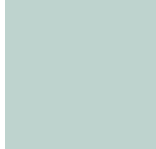
Original Color

165, 197, 223



Achromatopsia

204, 204, 204



Achromatomaly

190, 202, 211

CSS Examples

Text

The CSS property to change the color of the text to RYB 165, 197, 223 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(165, 223, 212)` looks like.

```
.text, #text, p{  
    color:rgb(165, 223, 212)  
}
```

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(165, 223, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 223, 212) }
```

Border

The CSS property to change the border of an element to RYB 165, 197, 223 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(165, 223, 212) }
```

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

```
.border{ border-color:rgb(165, 223, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 223, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 223, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 223, 212);  
box-shadow:4px 4px 4px 4px rgb(165, 223,  
212) }
```

Background

The CSS property to change the background color of an element to RYB 165, 197, 223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 223, 212) }
```

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

```
.background{ background-color: rgb(165,  
223, 212) }
```

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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