

Converting Colors

`RYB(165, 198, 225)`

Have a look what the booklet for
RYB(165, 198, 225) contains.

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Color

$\text{RYB}(165, 198, 225)$

Conversions

Conversions Part 1

Format	Color
Hex	A5E1D6
RGB	165, 225, 214
RGB Percent	65%, 88%, 84%
CMY	0.3529, 0.1176, 0.1604
CMYK	0.27, 0.00, 0.05, 0.12
HSL	169°, 50%, 76%
HSV	169°, 27%, 88%
XYZ	54.5915, 66.7094, 73.6782
YIQ	205.8060, -32.2290, -16.1410

Conversions

Conversions Part 2

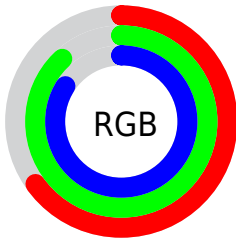
Format	Color
RYB	165, 198, 225
Decimal	10871254
CIELab	85.36, -21.26, -0.83
CIELCh	85, 21.278, 182.242
Yxy	66.7094, 0.2800, 0.3421
Android (android.graphics.Color)	4289061334 (0xFFA5E1D6)
YUV	205.8060, 4.0396, -35.7869
Hunter-Lab	81.6759, -23.6248, 3.6888

Details

The RYB color **165, 198, 225** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **225, 165, 176**, and the grayscale version is **206, 206, 206**.

A 20% lighter version of the original color is **221, 238, 255**, and **111, 144, 170** is the 20% darker color. If you saturate the color by 10%, you get **143, 188, 225**, and if you desaturate by 10%, it is **188, 208, 225**.

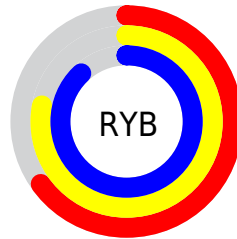
Distribution



Red (65%)

Green (88%)

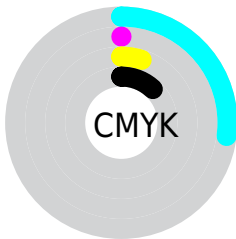
Blue (84%)



Red (65%)

Yellow (78%)

Blue (88%)

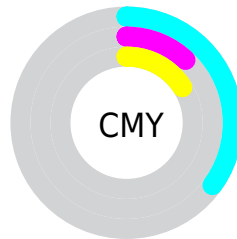


Cyan (27%)

Magenta (0%)

Yellow (5%)

Black (12%)



Cyan (35%)


Magenta (12%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 165, 198, 225 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, 198, 225 by changing the saturation by 10% instead.


 165, 198, 225


255, 255, 255


 221, 238, 255

 250, 253, 255

 165, 198, 225


 138, 171, 197

 111, 144, 170


 85, 117, 143

 60, 91, 117

 33, 65, 92

 1, 36, 68


 0, 25, 46

 0, 16, 27


 0, 0, 0

 165, 198, 225


 165, 198, 225

 143, 188, 225


 188, 208, 225

 120, 178, 225


 210, 218, 225

 98, 168, 225


 233, 225, 226

 75, 157, 225

 255, 225, 230

 53, 148, 225

 255, 225, 235

 30, 137, 225

 255, 225, 239

 8, 128, 225

 255, 225, 243

 0, 124, 225

 255, 225, 247

 255, 225, 251

Harmonies

Analogous

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



183, 214, 223



165, 198, 225



159, 194, 234

Triad

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



165, 198, 225



219, 208, 247



245, 226, 178

Complementary

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



165, 198, 225



225, 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.



255, 202, 193



165, 198, 225



241, 202, 232

Square

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



165, 198, 225



192, 209, 253



254, 199, 212



196, 228, 173

Rectangle

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



165, 198, 225



164, 198, 244



254, 199, 212



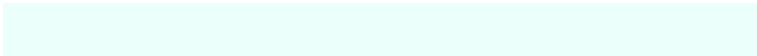
249, 215, 182

Sweetspot

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



165, 198, 225



235, 246, 255



165, 225, 214



115, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



165, 198, 225



173, 218, 255



165, 189, 225



101, 107, 112



0, 97, 176



0, 26, 48

Inverse Universe

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



225, 165, 176



255, 173, 188



225, 193, 165



112, 101, 103



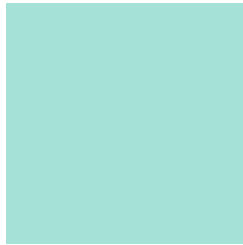
176, 0, 32



48, 0, 9

Previews

White Background



This preview shows how the RYB color 165, 198, 225 looks on a white background.

Color Contrast Check

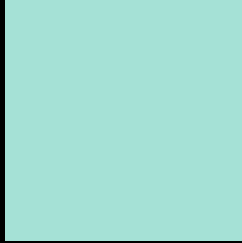
Large Text (above 18pt) WCAG AA × Fail

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, 198, 225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

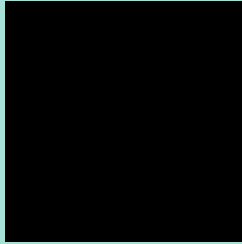
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

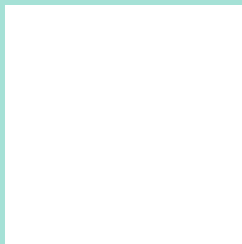
Any Text WCAG AAA ✓ Pass

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

RYB 165, 198, 225 Background



This preview shows how black text looks on a background with the RYB color 165, 198, 225.

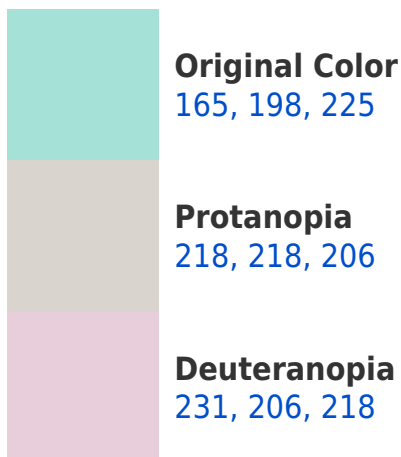



This preview shows how white text looks on a background with the RYB color 165, 198, 225.

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





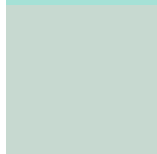
Tritanopia
170, 199, 239

Trichromacy



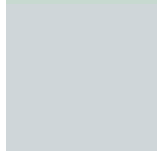
Original Color

165, 198, 225



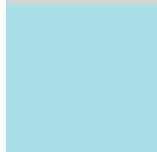
Protanomaly

199, 211, 217



Deuteranomaly

207, 211, 217



Tritanomaly

168, 197, 230

Monochromacy



Original Color

165, 198, 225



Achromatopsia

206, 206, 206



Achromatomaly

191, 203, 213

CSS Examples

Text

The CSS property to change the color of the text to RYB 165, 198, 225 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, 225, 214)` looks like.

```
.text, #text, p{  
    color:rgb(165, 225, 214)  
}
```

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, 225, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 225, 214) }
```

Border

The CSS property to change the border of an element to RYB 165, 198, 225 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, 225, 214) }
```

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

```
.border{ border-color:rgb(165, 225, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 225, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 225, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 225, 214);  
box-shadow:4px 4px 4px 4px rgb(165, 225,  
214) }
```

Background

The CSS property to change the background color of an element to RYB 165, 198, 225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 225, 214) }
```

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

```
.background{ background-color: rgb(165,  
225, 214) }
```

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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