

Converting Colors

`RYB(165, 194, 216)`

Have a look what the booklet for
RYB(165, 194, 216) contains.

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Color

R_YB(165, 194, 216)

Conversions

Conversions Part 1

Format	Color
Hex	A5D8CC
RGB	165, 216, 204
RGB Percent	65%, 85%, 80%
CMY	0.3529, 0.1529, 0.2012
CMYK	0.24, 0.00, 0.06, 0.15
HSL	166°, 40%, 75%
HSV	166°, 24%, 85%
XYZ	50.9348, 61.4558, 66.1094
YIQ	199.3830, -26.5440, -14.5440

Conversions

Conversions Part 2

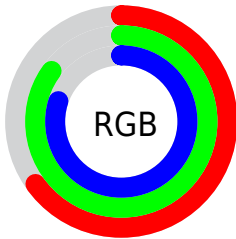
Format	Color
RYB	165, 194, 216
Decimal	10868940
CIELab	82.62, -18.97, 0.69
CIELCh	83, 18.985, 177.932
Yxy	61.4558, 0.2853, 0.3443
Android (android.graphics.Color)	4289059020 (0xFFA5D8CC)
YUV	199.3830, 2.2762, -30.1539
Hunter-Lab	78.3938, -21.2122, 4.8764

Details

The RYB color **165, 194, 216** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **216, 165, 177**, and the grayscale version is **199, 199, 199**.

A 20% lighter version of the original color is **221, 238, 255**, and **112, 140, 161** is the 20% darker color. If you saturate the color by 10%, you get **143, 185, 216**, and if you desaturate by 10%, it is **187, 203, 216**.

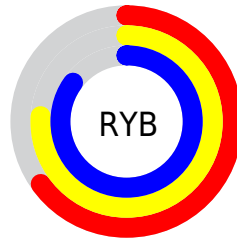
Distribution



Red (65%)

Green (85%)

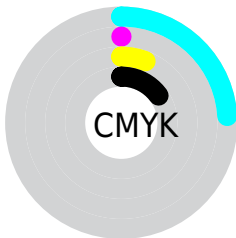
Blue (80%)



Red (65%)

Yellow (76%)

Blue (85%)

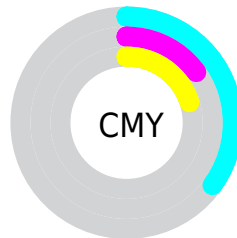


Cyan (24%)

Magenta (0%)

Yellow (6%)

Black (15%)



Cyan (35%)

Magenta (15%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 165, 194, 216 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, 194, 216 by changing the saturation by 10% instead.

 165, 194, 216


255, 255, 255


 221, 238, 255

 250, 253, 255

 165, 194, 216

 138, 166, 188

 112, 140, 161


 86, 114, 135

 62, 88, 109

 37, 64, 85

 10, 38, 61

 0, 22, 39

 0, 12, 17

 0, 0, 0

 165, 194, 216

 165, 194, 216

 143, 185, 216


 187, 203, 216

 122, 176, 216


 208, 213, 216

 100, 166, 216


 230, 216, 219

 79, 157, 216


 251, 216, 225

 57, 147, 216

 255, 216, 230

 35, 138, 216

 255, 216, 235

 14, 129, 216

 255, 216, 240

 0, 123, 216

 255, 216, 245

 255, 216, 251

Harmonies

Analogous

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



181, 210, 214



165, 194, 216



158, 188, 222

Triad

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



165, 194, 216



207, 202, 237



236, 211, 176

Complementary

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



165, 194, 216



216, 165, 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.



243, 194, 190



165, 194, 216



228, 196, 225

Square

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



165, 194, 216



184, 201, 241



240, 193, 208



196, 221, 170

Rectangle

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



165, 194, 216



162, 192, 231



240, 193, 208



239, 204, 180

Sweetspot

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



165, 194, 216



237, 247, 255



165, 216, 203



117, 123, 128



0, 0, 0



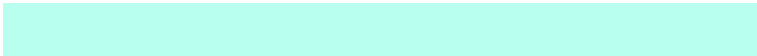
128, 128, 128

Same Dimension

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



165, 194, 216



184, 224, 255



165, 187, 216



96, 102, 107



0, 97, 171



0, 24, 43

Inverse Universe

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



216, 165, 177



255, 184, 201



216, 182, 165



107, 96, 99



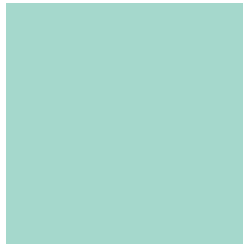
171, 0, 41



43, 0, 10

Previews

White Background



This preview shows how the RYB color 165, 194, 216 looks on a white background.

Color Contrast Check

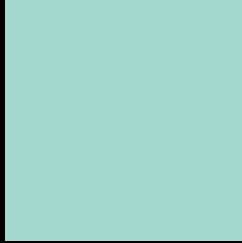
Large Text (above 18pt) WCAG AA × Fail

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, 194, 216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

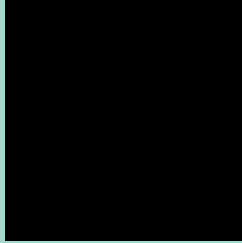
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

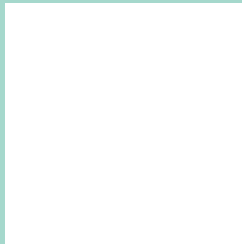
Any Text WCAG AAA ✓ Pass

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

RYB 165, 194, 216 Background



This preview shows how black text looks on a background with the RYB color 165, 194, 216.

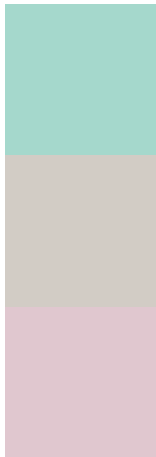


This preview shows how white text looks on a background with the RYB color 165, 194, 216.

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](#).

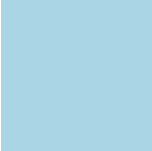
Dichromacy



Original Color
165, 194, 216

Protanopia
208, 210, 197

Deuteranopia
224, 199, 207



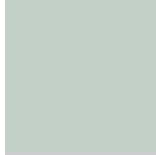
Tritanopia
170, 195, 229

Trichromacy



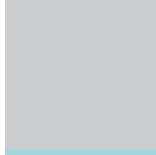
Original Color

165, 194, 216



Protanomaly

194, 204, 208



Deuteranomaly

203, 204, 206



Tritanomaly

168, 192, 220

Monochromacy



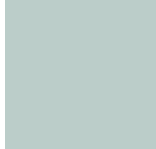
Original Color

165, 194, 216



Achromatopsia

199, 199, 199



Achromatomaly

187, 197, 205

CSS Examples

Text

The CSS property to change the color of the text to RYB 165, 194, 216 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, 216, 204)` looks like.

```
.text, #text, p{  
    color:rgb(165, 216, 204)  
}
```

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, 216, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 216, 204) }
```

Border

The CSS property to change the border of an element to RYB 165, 194, 216 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, 216, 204) }
```

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

```
.border{ border-color:rgb(165, 216, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 216, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 216, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 216, 204);  
box-shadow:4px 4px 4px 4px rgb(165, 216,  
204) }
```

Background

The CSS property to change the background color of an element to RYB 165, 194, 216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 216, 204) }
```

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

```
.background{ background-color: rgb(165,  
216, 204) }
```

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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