Converting Colors

RYB(163, 186, 188)

Have a look what the booklet for RYB(163, 186, 188) contains.

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Color

RYB(163, 186, 188)

Conversions

Conversions Part 1

Format	Color
Hex	A3BCA5
RGB	163, 188, 165
RGB Percent	64%, 74%, 65%
CMY	0.3608, 0.2627, 0.3523
CMYK	0.13, 0.00, 0.12, 0.26
HSL	125°, 16%, 69%
HSV	125°, 13%, 74%
XYZ	39.8949, 46.4759, 42.5484
YIQ	177.9030, -7.5170, -12.4530

Conversions

Conversions Part 2

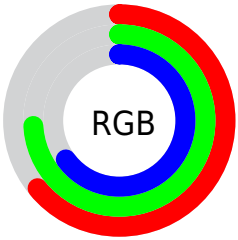
Format	Color
RYB	163, 186, 188
Decimal	10730661
CIELab	73.85, -12.93, 8.70
CIELCh	74, 15.587, 146.070
Yxy	46.4759, 0.3095, 0.3605
Android (android.graphics.Color)	4288920741 (0xFFA3BCA5)
YUV	177.9030, -6.3612, -13.0699
Hunter-Lab	68.1733, -14.8453, 10.7171

Details

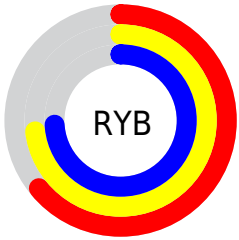
The RYB color 163, 186, 188 is a light color, and the websafe version is hex 99CCCC. A complement of this color would be 188, 163, 186, and the grayscale version is 178, 178, 178.

A 20% lighter version of the original color is 218, 242, 244, and 111, 133, 135 is the 20% darker color. If you saturate the color by 10%, you get 144, 184, 188, and if you desaturate by 10%, it is 182, 188, 188.

Distribution

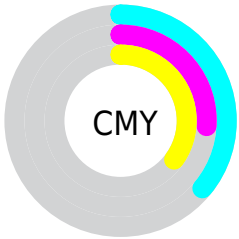


- Red (64%)
- Green (74%)
- Blue (65%)



- Red (64%)
- Yellow (73%)
- Blue (74%)

- Cyan (13%)
- Magenta (0%)
- Yellow (12%)
- Black (26%)



- Cyan (36%)
- Magenta (26%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the RYB color 163, 186, 188 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 163, 186, 188 by changing the saturation by 10% instead.

163, 186, 188	163, 186, 188
255, 255, 255	137, 159, 161
218, 242, 244	111, 133, 135
247, 253, 255	87, 107, 109
	63, 83, 85
	41, 60, 62
	19, 37, 40
	0, 20, 20
	0, 0, 0

163, 186, 188	163, 186, 188

144, 184, 188

125, 183, 188

107, 182, 188

88, 180, 188

69, 179, 188

50, 177, 188

31, 175, 188

13, 174, 188

0, 173, 188

182, 188, 188

201, 188, 200

219, 188, 217

238, 188, 234

255, 188, 251

255, 188, 255

Harmonies

Analogous

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

156, 184, 161

163, 186, 188

150, 173, 190

Triad

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

163, 186, 188

164, 177, 210

212, 172, 170

Complementary

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

163, 186, 188

188, 163, 186

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.

209, 172, 184

163, 186, 188

182, 178, 207

Square

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

163, 186, 188

149, 172, 205

199, 174, 198

207, 184, 158

Rectangle

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

163, 186, 188

145, 168, 190

199, 174, 198

212, 172, 174

Sweetspot

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

163, 186, 188

235, 244, 245

163, 188, 165

116, 121, 122

250, 250, 250

122, 122, 122

Same Dimension

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

163, 186, 188

206, 242, 245

163, 179, 188

85, 93, 94

0, 145, 158

0, 28, 31

Inverse Universe

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

188, 163, 186

245, 206, 241

188, 163, 173

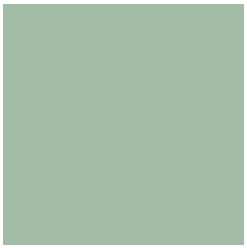
94, 85, 94

158, 0, 144

31, 0, 28

Previews

White Background

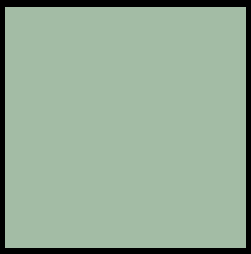


This preview shows how the RYB color 163, 186, 188 looks on a white background.

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



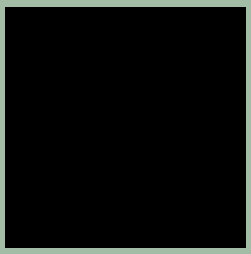
This preview shows how the RYB color 163, 186, 188 looks on a black background.

Color Contrast Check

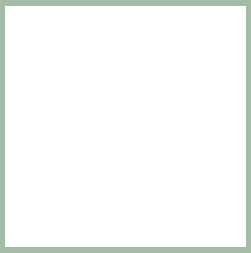
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

RYB 163, 186, 188 Background



This preview shows how black text looks on a background with the RYB color 163, 186, 188.



This preview shows how white text looks on a background with the RYB color 163, 186, 188.

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

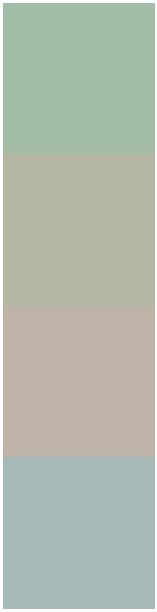
Original Color
163, 186, 188

Protanopia
172, 189, 161

Deuteranopia
204, 177, 168

Tritanopia
168, 178, 198

Trichromacy



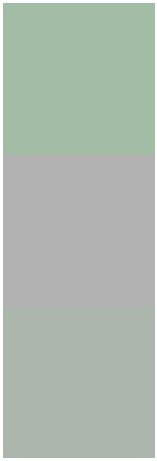
Original Color
163, 186, 188

Protanomaly
163, 184, 167

Deuteranomaly
182, 189, 167

Tritanomaly
166, 176, 186

Monochromacy



Original Color
163, 186, 188

Achromatopsia
178, 178, 178

Achromatomaly
173, 182, 182

CSS Examples

Text

The CSS property to change the color of the text to RYB 163, 186, 188 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(163, 188, 165) looks like.

```
.text, #text, p{
    color:rgb(163, 188, 165)
}
```

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(163, 188, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 188, 165) }
```

Border

The CSS property to change the border of an element to RYB 163, 186, 188 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(163, 188, 165) }
```

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

```
.border{ border-color:rgb(163, 188, 165) }
```

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

Here you see how a box with a 4 pixel rgb(163, 188, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 188, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 188, 165); box-shadow:4px 4px 4px 4px rgb(163, 188, 165) }
```

Background

The CSS property to change the background color of an element to RYB 163, 186, 188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(163, 188, 165) }
```

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

```
.background{ background-color:rgb(163,
188, 165) }
```

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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