

Converting Colors

`RYB(163, 196, 167)`

Have a look what the booklet for RYB(163, 196, 167) contains.

RYB(163, 196, 167)	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(163, 196, 167)

Conversions

Conversions Part 1

Format	Color
Hex	C0C4A3
RGB	192, 196, 163
RGB Percent	75%, 77%, 64%
CMY	0.2471, 0.2314, 0.3608
CMYK	0.02, 0.00, 0.17, 0.23
HSL	67°, 22%, 70%
HSV	67°, 17%, 77%
XYZ	48.0890, 53.3307, 42.4096
YIQ	191.0420, 8.2090, -11.1110

Conversions

Conversions Part 2

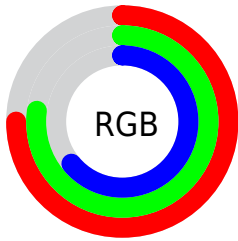
Format	Color
RYB	163, 196, 167
Decimal	12633251
CIELab	78.07, -7.06, 16.13
CIELCh	78, 17.605, 113.625
Yxy	53.3307, 0.3343, 0.3708
Android (android.graphics.Color)	4290823331 (0xFFC0C4A3)
YUV	191.0420, -13.8247, 0.8402
Hunter-Lab	73.0278, -10.2561, 16.6879

Details

The RYB color **163, 196, 167** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **167, 163, 196**, and the grayscale version is **191, 191, 191**.

A 20% lighter version of the original color is **218, 253, 222**, and **111, 142, 115** is the 20% darker color. If you saturate the color by 10%, you get **143, 196, 149**, and if you desaturate by 10%, it is **183, 196, 185**.

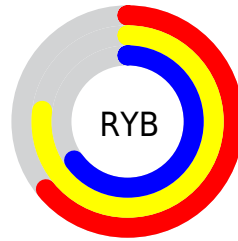
Distribution



Red (75%)

Green (77%)

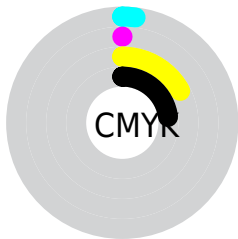
Blue (64%)



Red (64%)

Yellow (77%)

Blue (65%)

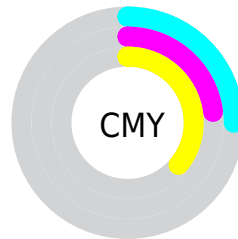


Cyan (2%)

Magenta (0%)

Yellow (17%)

Black (23%)



Cyan (25%)

Magenta (23%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 163, 196, 167 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, 196, 167 by changing the saturation by 10% instead.


 163, 196, 167

255, 255, 255

 218, 253, 222

 246, 255, 246


 163, 196, 167


 137, 169, 141

 111, 142, 115

 87, 117, 91

 63, 92, 67

 41, 69, 46

 20, 46, 24

 0, 26, 4


 0, 0, 0

 163, 196, 167

 163, 196, 167

 143, 196, 149

 183, 196, 185


 124, 196, 133

 197, 196, 202


 104, 196, 115

 199, 196, 222


 85, 196, 99


 202, 196, 241

 65, 196, 81


 204, 196, 255


 45, 196, 63


 206, 196, 255


 26, 196, 47

 209, 196, 255

 6, 196, 29

 211, 196, 255

 0, 196, 24

 213, 196, 255

Harmonies

Analogous

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



192, 210, 161



163, 196, 167



173, 200, 200

Triad

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



163, 196, 167



155, 181, 219



224, 182, 197

Complementary

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



163, 196, 167



167, 163, 196

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.



211, 185, 213



163, 196, 167



171, 188, 225

Square

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



163, 196, 167



150, 177, 205



192, 190, 223



228, 182, 181

Rectangle

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



163, 196, 167



162, 188, 202



192, 190, 223



221, 183, 203

Sweetspot

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



163, 196, 167



242, 255, 244



196, 168, 163



120, 128, 121



0, 0, 0



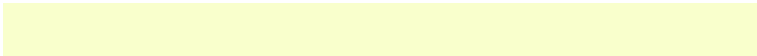
128, 128, 128

Same Dimension

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



163, 196, 167



204, 255, 210



163, 196, 183



87, 97, 88



0, 161, 20



0, 33, 4

Inverse Universe

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



167, 163, 196



210, 204, 255



183, 163, 196



88, 87, 97



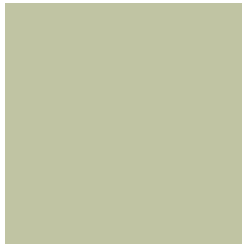
19, 0, 161



4, 0, 33

Previews

White Background



This preview shows how the RYB color 163, 196, 167 looks on a white background.

Color Contrast Check

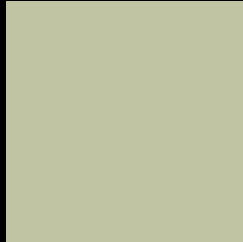
Large Text (above 18pt) WCAG AA × Fail

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, 196, 167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

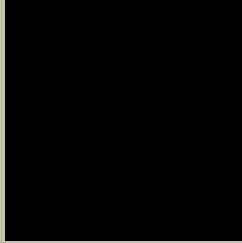
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

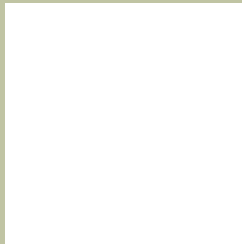
Any Text WCAG AAA ✓ Pass

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

RYB 163, 196, 167 Background



This preview shows how black text looks on a background with the RYB color 163, 196, 167.



This preview shows how white text looks on a background with the RYB color 163, 196, 167.

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, 196, 167

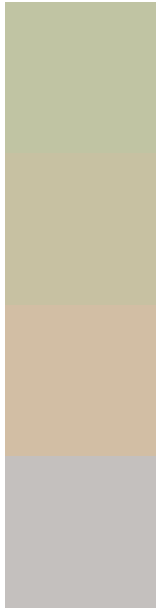
Protanopia
176, 203, 161

Deuteranopia
221, 199, 165



Tritanopia
198, 190, 205

Trichromacy



Original Color
163, 196, 167

Protanomaly
169, 199, 162

Deuteranomaly
199, 210, 164

Tritanomaly
196, 193, 190

Monochromacy



Original Color
163, 196, 167

Achromatopsia
191, 191, 191

Achromatomaly
181, 193, 183

CSS Examples

Text

The CSS property to change the color of the text to RYB 163, 196, 167 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(192, 196, 163)` looks like.

```
.text, #text, p{  
    color:rgb(192, 196, 163)  
}
```

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(192, 196, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 196, 163) }
```

Border

The CSS property to change the border of an element to RYB 163, 196, 167 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(192, 196, 163) }
```

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

```
.border{ border-color:rgb(192, 196, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 196, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 196, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 196, 163);  
box-shadow:4px 4px 4px 4px rgb(192, 196,  
163) }
```

Background

The CSS property to change the background color of an element to RYB 163, 196, 167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 196, 163) }
```

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

```
.background{ background-color: rgb(192,  
196, 163) }
```

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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