

Converting Colors

`RYB(163, 181, 170)`

Have a look what the booklet for
RYB(163, 181, 170) contains.

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Color

$\text{RYB}(163, 181, 170)$

Conversions

Conversions Part 1

Format	Color
Hex	AEB5A3
RGB	174, 181, 163
RGB Percent	68%, 71%, 64%
CMY	0.3176, 0.2902, 0.3608
CMYK	0.04, 0.00, 0.10, 0.29
HSL	83°, 11%, 67%
HSV	83°, 10%, 71%
XYZ	40.5903, 44.6908, 41.1372
YIQ	176.8550, 1.6060, -7.0820

Conversions

Conversions Part 2

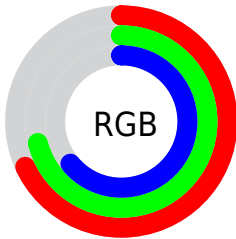
Format	Color
RYB	163, 181, 170
Decimal	11449763
CIELab	72.69, -5.75, 8.33
CIELCh	73, 10.116, 124.614
Yxy	44.6908, 0.3211, 0.3535
Android (android.graphics.Color)	4289639843 (0xFFFAEB5A3)
YUV	176.8550, -6.8305, -2.5038
Hunter-Lab	66.8511, -8.6089, 10.3114

Details

The RYB color **163, 181, 170** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **170, 163, 181**, and the grayscale version is **177, 177, 177**.

A 20% lighter version of the original color is **218, 237, 226**, and **111, 128, 117** is the 20% darker color. If you saturate the color by 10%, you get **145, 181, 159**, and if you desaturate by 10%, it is **181, 181, 181**.

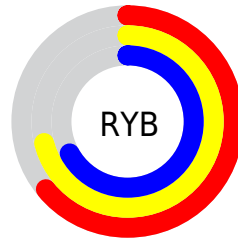
Distribution



Red (68%)

Green (71%)

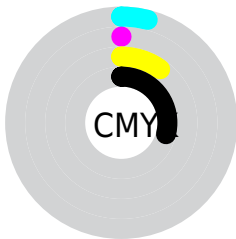
Blue (64%)



Red (64%)

Yellow (71%)

Blue (67%)

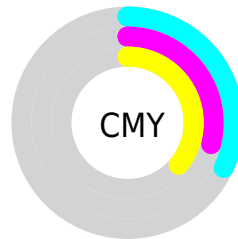


Cyan (4%)

Magenta (0%)

Yellow (10%)

Black (29%)



Cyan (32%)

Magenta (29%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 163, 181, 170 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, 181, 170 by changing the saturation by 10% instead.


 163, 181, 170


255, 255, 255

 218, 237, 226

 246, 255, 246

 163, 181, 170


 137, 154, 144


 111, 128, 117

 87, 103, 93


 64, 79, 70


 42, 56, 48

 21, 35, 27

 0, 13, 13

 0, 0, 0

 163, 181, 170

 163, 181, 170

■ 145, 181, 159

■ 181, 181, 181

■ 127, 181, 148

■ 188, 181, 199

■ 109, 181, 137

■ 195, 181, 217

■ 91, 181, 126

■ 202, 181, 235

■ 72, 181, 114

■ 209, 181, 253

■ 54, 181, 103

■ 216, 181, 255

■ 36, 181, 92

■ 223, 181, 255

■ 18, 181, 81

■ 230, 181, 255

■ 0, 181, 70

■ 237, 181, 255

Harmonies

Analogous

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



170, 185, 160



163, 181, 170



164, 178, 183

Triad

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



163, 181, 170



161, 174, 195



198, 172, 177

Complementary

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



163, 181, 170



170, 163, 181

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.



192, 173, 186



163, 181, 170



170, 177, 197

Square

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



163, 181, 170



156, 171, 188



182, 176, 194



198, 174, 168

Rectangle

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



163, 181, 170



159, 174, 184



182, 176, 194



196, 172, 180

Sweetspot

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



163, 181, 170



228, 235, 231



181, 174, 163



113, 117, 115



245, 245, 245



117, 117, 117

Same Dimension

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



163, 181, 170



206, 235, 217



163, 181, 179



80, 89, 83



0, 153, 59



0, 26, 10

Inverse Universe

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



170, 163, 181



217, 206, 235



179, 163, 181



84, 80, 89



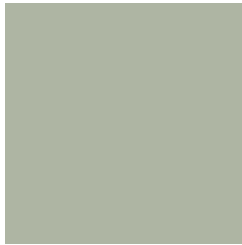
59, 0, 153



10, 0, 26

Previews

White Background



This preview shows how the RYB color 163, 181, 170 looks on a white background.

Color Contrast Check

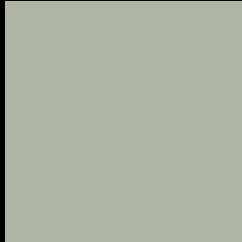
Large Text (above 18pt) WCAG AA × Fail

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, 181, 170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

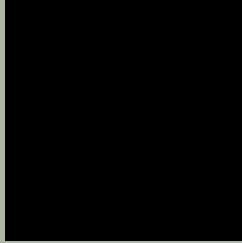
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

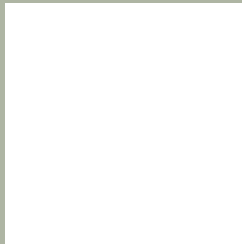
Any Text WCAG AAA ✓ Pass

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

RYB 163, 181, 170 Background



This preview shows how black text looks on a background with the RYB color 163, 181, 170.



This preview shows how white text looks on a background with the RYB color 163, 181, 170.

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, 181, 170

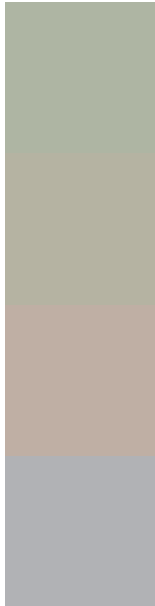
Protanopia
171, 185, 161

Deuteranopia
200, 174, 165



Tritanopia
178, 177, 191

Trichromacy



Original Color

163, 181, 170

Protanomaly

164, 181, 162

Deuteranomaly

191, 183, 164

Tritanomaly

177, 178, 181

Monochromacy



Original Color

163, 181, 170

Achromatopsia

177, 177, 177

Achromatomaly

172, 178, 174

CSS Examples

Text

The CSS property to change the color of the text to RGB 163, 181, 170 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(174, 181, 163) looks like.

```
.text, #text, p{  
    color:rgb(174, 181, 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(174, 181, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 181, 163) }
```

Border

The CSS property to change the border of an element to RYB 163, 181, 170 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(174, 181, 163) }
```

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

```
.border{ border-color:rgb(174, 181, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 181, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 181, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 181, 163);  
box-shadow:4px 4px 4px 4px rgb(174, 181,  
163) }
```

Background

The CSS property to change the background color of an element to RYB 163, 181, 170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 181, 163) }
```

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

```
.background{ background-color: rgb(174,  
181, 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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