

Converting Colors

`RYB(166, 181, 177)`

Have a look what the booklet for RYB(166, 181, 177) contains.

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Color

R_YB(166, 181, 177)

Conversions

Conversions Part 1

Format	Color
Hex	AAB5A6
RGB	170, 181, 166
RGB Percent	67%, 71%, 65%
CMY	0.3333, 0.2902, 0.3490
CMYK	0.06, 0.00, 0.08, 0.29
HSL	104°, 9%, 68%
HSV	104°, 8%, 71%
XYZ	39.9844, 44.3470, 42.5288
YIQ	176.0010, -1.7410, -6.9970

Conversions

Conversions Part 2

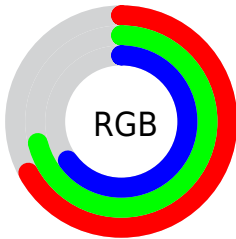
Format	Color
R _{YB}	166, 181, 177
Decimal	11187622
CIE Lab	72.46, -6.65, 6.32
CIE LCh	72, 9.172, 136.442
Yxy	44.3470, 0.3152, 0.3496
Android (android.graphics.Color)	4289377702 (0xFFAAB5A6)
YUV	176.0010, -4.9305, -5.2629
Hunter-Lab	66.5935, -9.3629, 8.7509

Details

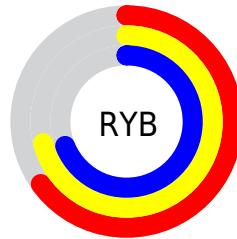
The RYB color **166, 181, 177** is a light color, and the websafe version is hex **999999**. A complement of this color would be **177, 166, 181**, and the grayscale version is **176, 176, 176**.

A 20% lighter version of the original color is **221, 237, 233**, and **114, 128, 124** is the 20% darker color. If you saturate the color by 10%, you get **148, 181, 172**, and if you desaturate by 10%, it is **183, 181, 184**.

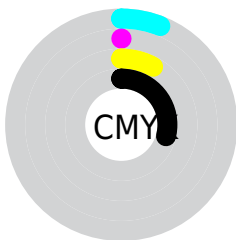
Distribution



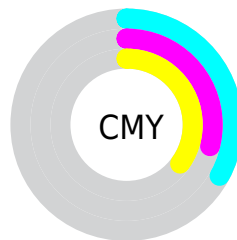
- Red (67%)
- Green (71%)
- Blue (65%)



- Red (65%)
- Yellow (71%)
- Blue (69%)



- Cyan (6%)
- Magenta (0%)
- Yellow (8%)
- Black (29%)



- Cyan (33%)
- Magenta (29%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the RYB color 166, 181, 177 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 166, 181, 177 by changing the saturation by 10% instead.

 166, 181, 177


255, 255, 255


 221, 237, 233

 250, 255, 251

 166, 181, 177

 140, 154, 150

 114, 128, 124

 90, 103, 100

 66, 79, 75

 44, 56, 53

 24, 35, 33

 0, 13, 13


 0, 0, 0

 166, 181, 177


 166, 181, 177


 148, 181, 172


 183, 181, 184

 130, 181, 168


 197, 181, 202


 112, 181, 163


 210, 181, 220


 94, 181, 158


 223, 181, 238

 76, 181, 153


 236, 181, 255

 57, 181, 148

 250, 181, 255

 39, 181, 143

 255, 181, 255

 21, 181, 138

 3, 181, 133

Harmonies

Analogous

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



163, 180, 162



166, 181, 177



162, 176, 183

Triad

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



166, 181, 177



165, 175, 194



196, 172, 173

Complementary

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



166, 181, 177



177, 166, 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.



193, 172, 182



166, 181, 177



175, 177, 194

Square

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



166, 181, 177



158, 172, 190



185, 174, 189



195, 175, 166

Rectangle

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



166, 181, 177



158, 172, 183



185, 174, 189



195, 172, 176

Sweetspot

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



166, 181, 177



230, 235, 234



171, 181, 166



115, 117, 116



245, 245, 245



117, 117, 117

Same Dimension

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



166, 181, 177



211, 235, 229



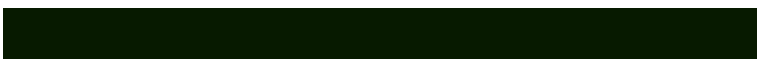
166, 178, 181



80, 89, 86



0, 153, 112



0, 26, 19

Inverse Universe

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



177, 166, 181



228, 211, 235



181, 166, 178



87, 80, 89



112, 0, 153



19, 0, 26

Previews

White Background



This preview shows how the RYB color 166, 181, 177 looks on a white background.

Color Contrast Check

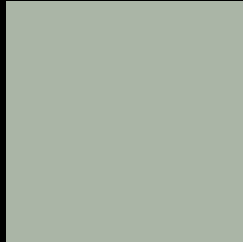
Large Text (above 18pt) WCAG AA × Fail

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 166, 181, 177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

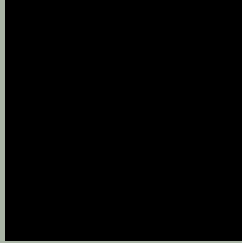
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

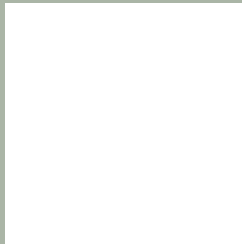
Any Text WCAG AAA ✓ Pass

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

RYB 166, 181, 177 Background



This preview shows how black text looks on a background with the RYB color 166, 181, 177.



This preview shows how white text looks on a background with the RYB color 166, 181, 177.

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
166, 181, 177

Protanopia
175, 184, 164

Deuteranopia
198, 171, 168



Tritanopia
174, 177, 191

Trichromacy



Original Color
166, 181, 177

Protanomaly
166, 179, 165

Deuteranomaly
188, 180, 167

Tritanomaly
173, 176, 182

Monochromacy



Original Color
166, 181, 177

Achromatopsia
176, 176, 176

Achromatomaly
172, 178, 176

CSS Examples

Text

The CSS property to change the color of the text to RGB 166, 181, 177 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(170, 181, 166) looks like.

```
.text, #text, p{  
    color:rgb(170, 181, 166)  
}
```

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(170, 181, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 181, 166) }
```

Border

The CSS property to change the border of an element to RYB 166, 181, 177 is called "border". The border property can be set on classes, ids or directly on the HTML element.

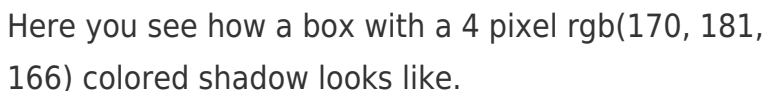
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 181, 166) }
```

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

```
.border{ border-color:rgb(170, 181, 166) }
```

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



Here you see how a box with a 4 pixel `rgb(170, 181, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 181, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 181, 166);  
box-shadow:4px 4px 4px 4px rgb(170, 181,  
166) }
```

Background

The CSS property to change the background color of an element to RYB 166, 181, 177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 181, 166) }
```

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

```
.background{ background-color: rgb(170,  
181, 166) }
```

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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