

Converting Colors

`RYB(166, 180, 180)`

Have a look what the booklet for
RYB(166, 180, 180) contains.

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Color

$\text{RYB}(166, 180, 180)$

Conversions

Conversions Part 1

Format	Color
Hex	A6B4A6
RGB	166, 180, 166
RGB Percent	65%, 71%, 65%
CMY	0.3490, 0.2941, 0.3490
CMYK	0.08, 0.00, 0.08, 0.29
HSL	120°, 9%, 68%
HSV	120°, 8%, 71%
XYZ	38.9301, 43.5027, 42.4214
YIQ	174.2180, -3.8500, -7.3220

Conversions

Conversions Part 2

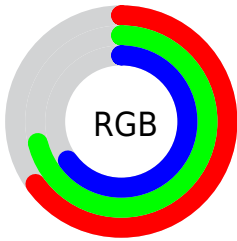
Format	Color
RYB	166, 180, 180
Decimal	10925222
CIELab	71.89, -7.53, 5.47
CIELCh	72, 9.310, 144.021
Yxy	43.5027, 0.3118, 0.3484
Android (android.graphics.Color)	4289115302 (0xFFA6B4A6)
YUV	174.2180, -4.0515, -7.2072
Hunter-Lab	65.9566, -10.0665, 8.0359

Details

The RYB color **166, 180, 180** is a light color, and the websafe version is hex **999999**. A complement of this color would be **180, 166, 180**, and the grayscale version is **174, 174, 174**.

A 20% lighter version of the original color is **221, 236, 236**, and **114, 127, 127** is the 20% darker color. If you saturate the color by 10%, you get **148, 180, 180**, and if you desaturate by 10%, it is **184, 180, 184**.

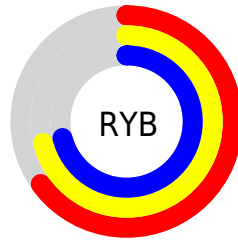
Distribution



Red (65%)

Green (71%)

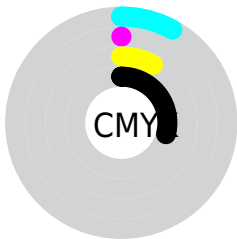
Blue (65%)



Red (65%)

Yellow (71%)

Blue (71%)

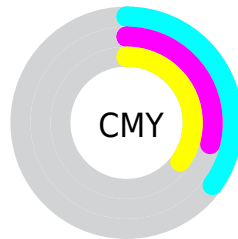


Cyan (8%)

Magenta (0%)

Yellow (8%)

Black (29%)



Cyan (35%)

Magenta (29%)


Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the RYB color 166, 180, 180 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, 180, 180 by changing the saturation by 10% instead.


 166, 180, 180

 166, 180, 180


255, 255, 255

 140, 153, 153

 221, 236, 236


 114, 127, 127


 250, 255, 255

 90, 102, 102

 66, 78, 78


 44, 55, 55

 23, 33, 34

 0, 12, 12


 0, 0, 0


 166, 180, 180


 166, 180, 180


 148, 180, 180


 184, 180, 184

 130, 180, 180


 202, 180, 202

 112, 180, 180


 220, 180, 220


 94, 180, 180


 238, 180, 238

 76, 180, 180

 255, 180, 255

 58, 180, 180

 40, 180, 180

 22, 180, 180

 4, 180, 180

Harmonies

Analogous

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



161, 178, 163



166, 180, 180



158, 172, 181

Triad

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



166, 180, 180



165, 173, 193



195, 171, 170

Complementary

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



166, 180, 180



180, 166, 180

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, 171, 178



166, 180, 180



176, 175, 192

Square

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



166, 180, 180



158, 171, 190



186, 172, 186



192, 176, 163

Rectangle

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



166, 180, 180



156, 169, 181



186, 172, 186



195, 171, 172

Sweetspot

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



166, 180, 180



230, 235, 235



166, 180, 166



115, 117, 117



245, 245, 245



117, 117, 117

Same Dimension

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



166, 180, 180



213, 235, 235



166, 175, 180



80, 89, 89



0, 153, 153



0, 26, 26

Inverse Universe

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



180, 166, 180



235, 213, 235



180, 166, 173



89, 80, 89



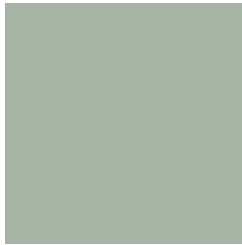
153, 0, 153



26, 0, 26

Previews

White Background



This preview shows how the RYB color 166, 180, 180 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, 180, 180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

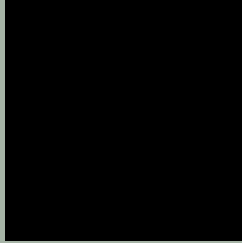
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

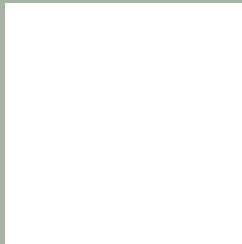
Any Text WCAG AAA ✓ Pass

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

RYB 166, 180, 180 Background



This preview shows how black text looks on a background with the RYB color 166, 180, 180.



This preview shows how white text looks on a background with the RYB color 166, 180, 180.

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, 180, 180

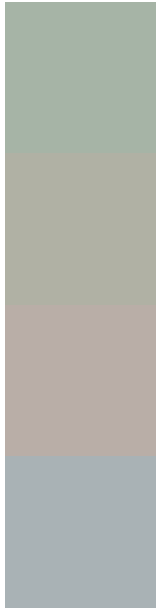
Protanopia
174, 182, 163

Deuteranopia
196, 170, 168



Tritanopia
170, 175, 190

Trichromacy



Original Color

166, 180, 180

Protanomaly

164, 177, 165

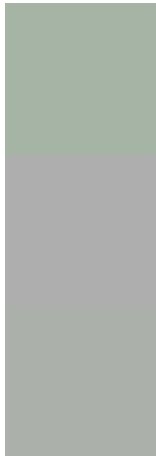
Deuteranomaly

185, 178, 167

Tritanomaly

169, 174, 181

Monochromacy



Original Color

166, 180, 180

Achromatopsia

174, 174, 174

Achromatomaly

171, 176, 176

CSS Examples

Text

The CSS property to change the color of the text to RYB 166, 180, 180 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(166, 180, 166)` looks like.

```
.text, #text, p{  
    color:rgb(166, 180, 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(166, 180, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 180, 166) }
```

Border

The CSS property to change the border of an element to RYB 166, 180, 180 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(166, 180, 166) }
```

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

```
.border{ border-color:rgb(166, 180, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 180, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 180, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 180, 166);  
box-shadow:4px 4px 4px 4px rgb(166, 180,  
166) }
```

Background

The CSS property to change the background color of an element to RYB 166, 180, 180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 180, 166) }
```

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

```
.background{ background-color: rgb(166,  
180, 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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