

Converting Colors

`RYB(166, 173, 178)`

Have a look what the booklet for
RYB(166, 173, 178) contains.

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Color

R_YB(166, 173, 178)

Conversions

Conversions Part 1

Format	Color
Hex	A6B2AF
RGB	166, 178, 175
RGB Percent	65%, 70%, 69%
CMY	0.3490, 0.3020, 0.3154
CMYK	0.07, 0.00, 0.02, 0.30
HSL	163°, 7%, 67%
HSV	163°, 7%, 70%
XYZ	39.3421, 43.0261, 46.5684
YIQ	174.0700, -6.1890, -3.4770

Conversions

Conversions Part 2

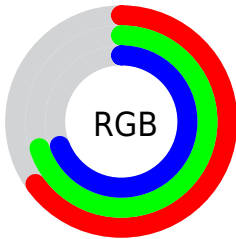
Format	Color
RYB	166, 173, 178
Decimal	10924719
CIELab	71.57, -4.84, 0.30
CIELCh	72, 4.849, 176.440
Yxy	43.0261, 0.3051, 0.3337
Android (android.graphics.Color)	4289114799 (0xFFA6B2AF)
YUV	174.0700, 0.4585, -7.0774
Hunter-Lab	65.5943, -7.7294, 3.8233

Details

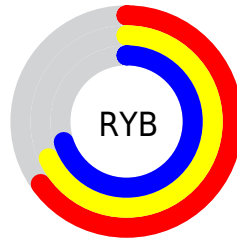
The RYB color **166, 173, 178** is a light color, and the websafe version is hex **999999**. A complement of this color would be **178, 166, 169**, and the grayscale version is **174, 174, 174**.

A 20% lighter version of the original color is **221, 229, 234**, and **114, 120, 125** is the 20% darker color. If you saturate the color by 10%, you get **148, 166, 178**, and if you desaturate by 10%, it is **184, 178, 180**.

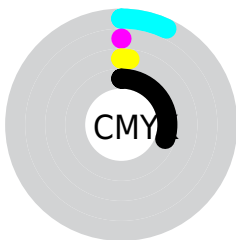
Distribution



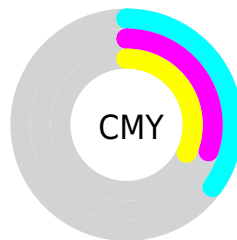
- Red (65%)
- Green (70%)
- Blue (69%)



- Red (65%)
- Yellow (68%)
- Blue (70%)



- Cyan (7%)
- Magenta (0%)
- Yellow (2%)
- Black (30%)



- Cyan (35%)
- Magenta (30%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the RYB color 166, 173, 178 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, 173, 178 by changing the saturation by 10% instead.


 166, 173, 178


255, 255, 255

 221, 229, 234


 250, 253, 255

 166, 173, 178

 140, 146, 151

 114, 120, 125

 90, 96, 100

 66, 72, 77

 44, 50, 54

 23, 29, 33


 0, 6, 9


 0, 0, 0


 166, 173, 178

 166, 173, 178

 148, 166, 178


 184, 178, 180

 130, 158, 178


 202, 178, 185

 113, 151, 178


 219, 178, 190

 95, 144, 178


 237, 178, 195

 77, 136, 178


 255, 178, 200

 59, 128, 178

 255, 178, 205

 41, 121, 178

 255, 178, 210

 24, 114, 178

 255, 178, 215

 6, 106, 178

 255, 178, 220

Harmonies

Analogous

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



170, 177, 177



166, 173, 178



165, 172, 179

Triad

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



166, 173, 178



176, 174, 183



184, 175, 168

Complementary

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



166, 173, 178



178, 166, 169

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.



185, 173, 172



166, 173, 178



181, 173, 180

Square

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



166, 173, 178



170, 174, 184



184, 172, 176



175, 180, 167

Rectangle

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



166, 173, 178



165, 172, 182



184, 172, 176



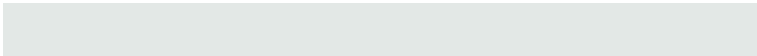
184, 174, 169

Sweetspot

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



166, 173, 178



227, 230, 232



166, 178, 174



115, 116, 117



245, 245, 245



117, 117, 117

Same Dimension

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



166, 173, 178



213, 224, 232



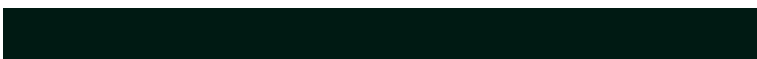
166, 171, 178



80, 85, 89



0, 89, 153



0, 15, 26

Inverse Universe

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



178, 166, 169



232, 213, 219



178, 168, 166



89, 80, 83



153, 0, 44



26, 0, 7

Previews

White Background



This preview shows how the RYB color 166, 173, 178 looks on a white background.

Color Contrast Check

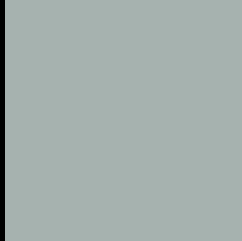
Large Text (above 18pt) WCAG AA × Fail

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, 173, 178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

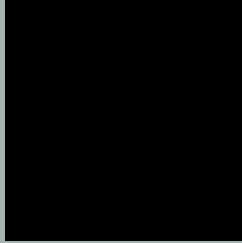
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

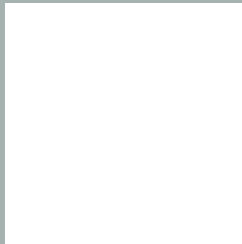
Any Text WCAG AAA ✓ Pass

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

R Y B 166, 173, 178 Background



This preview shows how black text looks on a background with the RYB color 166, 173, 178.



This preview shows how white text looks on a background with the RYB color 166, 173, 178.

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, 173, 178

Protanopia
179, 175, 172

Deuteranopia
191, 170, 176



Tritanopia
168, 174, 190

Trichromacy



Original Color
166, 173, 178

Protanomaly
173, 175, 174

Deuteranomaly
182, 173, 175

Tritanomaly
167, 173, 184

Monochromacy



Original Color
166, 173, 178

Achromatopsia
174, 174, 174

Achromatomaly
171, 173, 175

CSS Examples

Text

The CSS property to change the color of the text to RYB 166, 173, 178 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, 178, 175)` looks like.

```
.text, #text, p{  
    color:rgb(166, 178, 175)  
}
```

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, 178, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 178, 175) }
```

Border

The CSS property to change the border of an element to RYB 166, 173, 178 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, 178, 175) }
```

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

```
.border{ border-color:rgb(166, 178, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 178, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 178, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 178, 175);  
box-shadow:4px 4px 4px 4px rgb(166, 178,  
175) }
```

Background

The CSS property to change the background color of an element to RYB 166, 173, 178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 178, 175) }
```

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

```
.background{ background-color: rgb(166,  
178, 175) }
```

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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