

Converting Colors

`RYB(180, 160, 175)`

Have a look what the booklet for
RYB(180, 160, 175) contains.

RYB(180, 160, 175)	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(180, 160, 175)

Conversions

Conversions Part 1

Format	Color
Hex	B4A0AF
RGB	180, 160, 175
RGB Percent	71%, 63%, 69%
CMY	0.2941, 0.3725, 0.3137
CMYK	0.00, 0.11, 0.03, 0.29
HSL	315°, 12%, 67%
HSV	315°, 11%, 71%
XYZ	39.1311, 37.9401, 45.8182
YIQ	167.6900, 7.1050, 8.9050

Conversions

Conversions Part 2

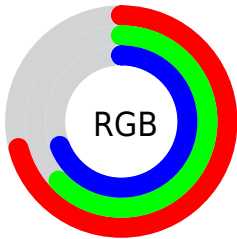
Format	Color
RYB	180, 160, 175
Decimal	11837615
CIELab	67.98, 9.99, -5.09
CIELCh	68, 11.214, 333.029
Yxy	37.9401, 0.3184, 0.3087
Android (android.graphics.Color)	4290027695 (0xFFB4A0AF)
YUV	167.6900, 3.6038, 10.7959
Hunter-Lab	61.5955, 5.6073, -0.9864

Details

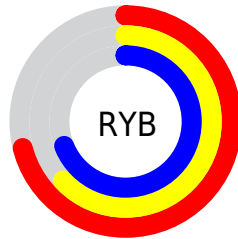
The RYB color **180, 160, 175** is a light color, and the websafe version is hex **999999**. A complement of this color would be **160, 176, 180**, and the grayscale version is **168, 168, 168**.

A 20% lighter version of the original color is **236, 215, 231**, and **127, 109, 123** is the 20% darker color. If you saturate the color by 10%, you get **180, 142, 171**, and if you desaturate by 10%, it is **180, 178, 180**.

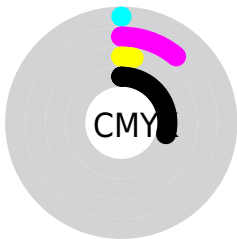
Distribution



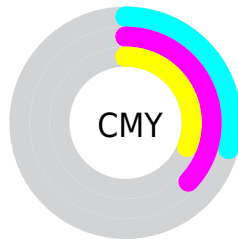
- Red (71%)
- Green (63%)
- Blue (69%)



- Red (71%)
- Yellow (63%)
- Blue (69%)



- Cyan (0%)
- Magenta (11%)
- Yellow (3%)
- Black (29%)




- Cyan (29%)
- Magenta (37%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 180, 160, 175 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 180, 160, 175 by changing the saturation by 10% instead.


 180, 160, 175

255, 255, 255


 236, 215, 231

 255, 243, 255

 180, 160, 175


 153, 134, 148


 127, 109, 123

 102, 84, 98

 78, 61, 74


 55, 39, 51

 33, 19, 30


 1, 0, 4

 0, 0, 0


 180, 160, 175


 180, 160, 175

 180, 142, 171

 180, 178, 180

 180, 124, 166


 180, 193, 196

 180, 106, 162


 180, 207, 214

 180, 88, 157

 180, 222, 232

 180, 70, 153


 180, 236, 250

 180, 52, 148

 180, 238, 255

 180, 34, 144

 180, 235, 255

 180, 16, 139

 180, 233, 255

 180, 0, 135

 180, 231, 255

Harmonies

Analogous

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



169, 163, 183



180, 160, 175



186, 159, 165

Triad

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



180, 160, 175



157, 173, 146



140, 157, 176

Complementary

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



180, 160, 175



160, 176, 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.



142, 159, 172



180, 160, 175



149, 168, 156

Square

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



180, 160, 175



182, 172, 148



150, 166, 171



145, 160, 183

Rectangle

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



180, 160, 175



188, 159, 158



150, 166, 171



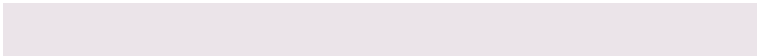
140, 156, 173

Sweetspot

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



180, 160, 175



235, 228, 233



165, 160, 180



117, 113, 116



245, 245, 245



117, 117, 117

Same Dimension

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



180, 160, 175



235, 204, 227



180, 160, 165



89, 80, 87



153, 0, 115



26, 0, 19

Inverse Universe

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



180, 160, 175



235, 204, 227



160, 171, 180



89, 80, 87



153, 0, 115



26, 0, 19

Previews

White Background



This preview shows how the RYB color 180, 160, 175 looks on a white background.

Color Contrast Check

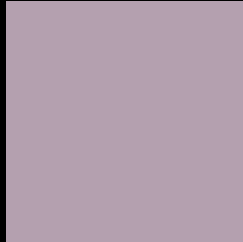
Large Text (above 18pt) WCAG AA × Fail

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 180, 160, 175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

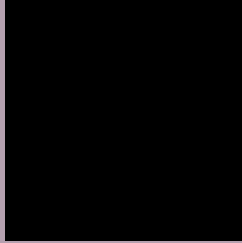
Any Text WCAG AA ✓ Pass

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](#).

RYP 180, 160, 175 Background



This preview shows how black text looks on a background with the RYP color 180, 160, 175.



This preview shows how white text looks on a background with the RYP color 180, 160, 175.

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


180, 160, 175

Protanopia

165, 165, 178

Deuteranopia

178, 161, 175



Tritanopia
180, 160, 173

Trichromacy



Original Color

180, 160, 175

Protanomaly

170, 163, 177

Deuteranomaly

179, 161, 175

Tritanomaly

180, 160, 174

Monochromacy



Original Color

180, 160, 175

Achromatopsia

168, 168, 168

Achromatomaly

172, 165, 171

CSS Examples

Text

The CSS property to change the color of the text to RYB 180, 160, 175 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(180, 160, 175) looks like.

```
.text, #text, p{  
    color:rgb(180, 160, 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(180, 160, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 160, 175) }
```

Border

The CSS property to change the border of an element to RYB 180, 160, 175 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(180, 160, 175) }
```

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

```
.border{ border-color:rgb(180, 160, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 160, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 160, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 160, 175);  
box-shadow:4px 4px 4px 4px rgb(180, 160,  
175) }
```

Background

The CSS property to change the background color of an element to RYB 180, 160, 175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 160, 175) }
```

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

```
.background{ background-color: rgb(180,  
160, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor