

Converting Colors

`RYB(158, 135, 160)`

Have a look what the booklet for
RYB(158, 135, 160) contains.

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Color

$\text{RYB}(158, 135, 160)$

Conversions

Conversions Part 1

Format	Color
Hex	9E87A0
RGB	158, 135, 160
RGB Percent	62%, 53%, 63%
CMY	0.3804, 0.4706, 0.3725
CMYK	0.01, 0.16, 0.00, 0.37
HSL	295°, 12%, 58%
HSV	295°, 16%, 63%
XYZ	29.1097, 27.1351, 36.9611
YIQ	144.7270, 5.6830, 12.6510

Conversions

Conversions Part 2

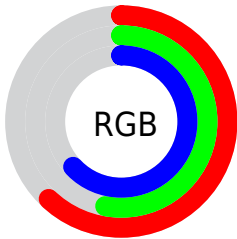
Format	Color
RYB	158, 135, 160
Decimal	10389408
CIELab	59.10, 13.33, -10.03
CIElCh	59, 16.683, 323.022
Yxy	27.1351, 0.3123, 0.2911
Android (android.graphics.Color)	4288579488 (0xFF9E87A0)
YUV	144.7270, 7.5296, 11.6404
Hunter-Lab	52.0914, 8.5894, -5.6048

Details

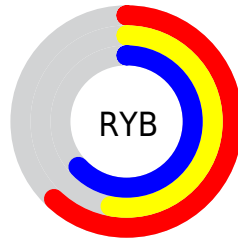
The RYB color **158, 135, 160** is a light color, and the websafe version is hex **999999**. A complement of this color would be **135, 160, 158**, and the grayscale version is **145, 145, 145**.

A 20% lighter version of the original color is **213, 188, 215**, and **106, 85, 109** is the 20% darker color. If you saturate the color by 10%, you get **157, 119, 160**, and if you desaturate by 10%, it is **159, 151, 160**.

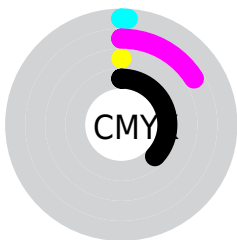
Distribution



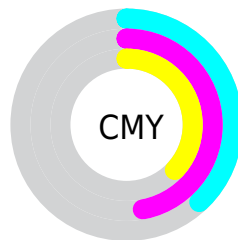
- Red (62%)
- Green (53%)
- Blue (63%)



- Red (62%)
- Yellow (53%)
- Blue (63%)



- Cyan (1%)
- Magenta (16%)
- Yellow (0%)
- Black (37%)



- Cyan (38%)
- Magenta (47%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the RYB color 158, 135, 160 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 158, 135, 160 by changing the saturation by 10% instead.

 158, 135, 160

255, 255, 255

 213, 188, 215

 241, 216, 243

 255, 245, 255

 158, 135, 160

 132, 110, 134

 106, 85, 109

 82, 62, 84

 59, 40, 61

 37, 19, 39

 14, 0, 19

 0, 0, 0

 158, 135, 160

 157, 119, 160

 158, 135, 160

 159, 151, 160

155, 103, 160

160, 167, 166

154, 87, 160

160, 183, 181

153, 71, 160

160, 199, 196

152, 55, 160

160, 215, 211

150, 39, 160

160, 231, 225

149, 23, 160

160, 247, 240

148, 7, 160

160, 255, 247

147, 0, 160

160, 255, 245

Harmonies

Analogous

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



140, 140, 169



158, 135, 160



169, 132, 146

Triad

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



158, 135, 160



141, 157, 113



103, 127, 153

Complementary

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



158, 135, 160



135, 160, 158

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.



110, 134, 151



158, 135, 160



115, 145, 119

Square

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



158, 135, 160



168, 143, 119



124, 149, 148



107, 131, 165

Rectangle

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



158, 135, 160



173, 132, 136



124, 149, 148



104, 128, 151

Sweetspot

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



158, 135, 160



208, 199, 209



135, 137, 160



104, 98, 105



232, 232, 232



105, 105, 105

Same Dimension

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



158, 135, 160



206, 169, 209



160, 135, 150



78, 71, 79



131, 0, 143



14, 0, 15

Inverse Universe

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



160, 135, 137



209, 169, 173



135, 153, 160



79, 71, 72



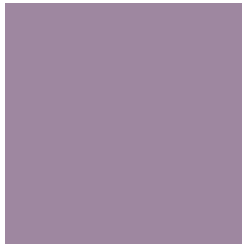
143, 0, 11



15, 0, 1

Previews

White Background



This preview shows how the RYB color 158, 135, 160 looks on a white background.

Color Contrast Check

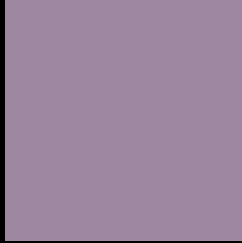
Large Text (above 18pt) WCAG AA ✓ Pass

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 158, 135, 160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

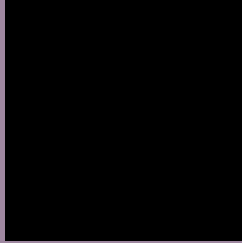
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

RYB 158, 135, 160 Background



This preview shows how black text looks on a background with the RYB color 158, 135, 160.



This preview shows how white text looks on a background with the RYB color 158, 135, 160.

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


158, 135, 160

Protanopia

138, 141, 164

Deuteranopia

148, 139, 159



Tritanopia
156, 137, 148

Trichromacy



Original Color

158, 135, 160

Protanomaly

145, 139, 163

Deuteranomaly

152, 138, 159

Tritanomaly

157, 136, 152

Monochromacy



Original Color

158, 135, 160

Achromatopsia

145, 145, 145

Achromatomaly

150, 141, 150

CSS Examples

Text

The CSS property to change the color of the text to RYB 158, 135, 160 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(158, 135, 160) looks like.

```
.text, #text, p{  
    color:rgb(158, 135, 160)  
}
```

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(158, 135, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 135, 160) }
```

Border

The CSS property to change the border of an element to RYB 158, 135, 160 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(158, 135, 160) }
```

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

```
.border{ border-color:rgb(158, 135, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 135, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 135, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 135, 160);  
box-shadow:4px 4px 4px 4px rgb(158, 135,  
160) }
```

Background

The CSS property to change the background color of an element to RYB 158, 135, 160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 135, 160) }
```

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

```
.background{ background-color: rgb(158,  
135, 160) }
```

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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