

Converting Colors

`RYB(158, 80, 143)`

Have a look what the booklet for
RYB(158, 80, 143) contains.

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Color

R_YB(158, 80, 143)

Conversions

Conversions Part 1

Format	Color
Hex	9E508F
RGB	158, 80, 143
RGB Percent	62%, 31%, 56%
CMY	0.3804, 0.6863, 0.4392
CMYK	0.00, 0.49, 0.09, 0.38
HSL	312°, 33%, 47%
HSV	312°, 49%, 62%
XYZ	21.9271, 14.9896, 27.7242
YIQ	110.5040, 26.2650, 36.1290

Conversions

Conversions Part 2

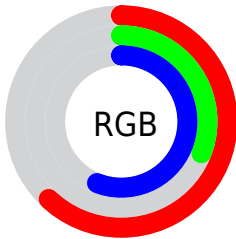
Format	Color
R_{YB}	158, 80, 143
Decimal	10375311
CIE _{Lab}	45.62, 41.05, -20.52
CIE _{LCh}	46, 45.897, 333.439
Yxy	14.9896, 0.3392, 0.2319
Android (android.graphics.Color)	4288565391 (0xFF9E508F)
YUV	110.5040, 16.0205, 41.6540
Hunter-Lab	38.7164, 33.3403, -15.3551

Details

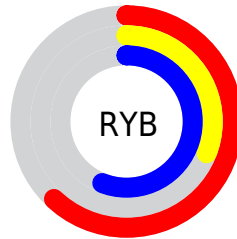
The RYB color **158, 80, 143** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **80, 145, 158**, and the grayscale version is **110, 110, 110**.

A 20% lighter version of the original color is **214, 132, 197**, and **104, 29, 92** is the 20% darker color. If you saturate the color by 10%, you get **158, 64, 140**, and if you desaturate by 10%, it is **158, 96, 146**.

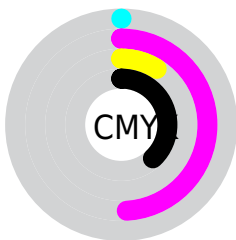
Distribution



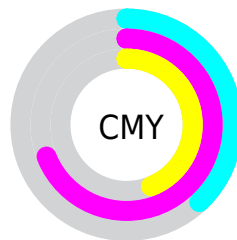
- Red (62%)
- Green (31%)
- Blue (56%)



- Red (62%)
- Yellow (31%)
- Blue (56%)



- Cyan (0%)
- Magenta (49%)
- Yellow (9%)
- Black (38%)



- Cyan (38%)
- Magenta (69%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the RYB color 158, 80, 143 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, 80, 143 by changing the saturation by 10% instead.



158, 80, 143



158, 80, 143

255, 255, 255



131, 55, 117



214, 132, 197



104, 29, 92



243, 159, 225



79, 0, 69



255, 186, 254



54, 0, 46



255, 215, 255



30, 0, 25



255, 243, 255



0, 0, 0



158, 80, 143



158, 80, 143



158, 64, 140



158, 96, 146



158, 48, 137



158, 112, 149

■ 158, 33, 134

■ 158, 127, 152

■ 158, 17, 131

■ 158, 143, 155

■ 158, 1, 128

■ 158, 159, 159

■ 158, 0, 128

■ 158, 172, 175

■ 158, 186, 191

■ 158, 198, 206

■ 158, 212, 222

Harmonies

Analogous

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



115, 96, 172



158, 80, 143



177, 72, 105

Triad

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



158, 80, 143



43, 124, 24



0, 68, 149

Complementary

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



158, 80, 143



80, 145, 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.



0, 67, 126



158, 80, 143



39, 118, 72

Square

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



158, 80, 143



155, 142, 38



18, 88, 124



0, 72, 176

Rectangle

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



158, 80, 143



177, 75, 80



18, 88, 124



0, 66, 137

Sweetspot

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



158, 80, 143



207, 176, 201



94, 80, 158



105, 86, 101



232, 232, 232



105, 105, 105

Same Dimension

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



158, 80, 143



207, 85, 183



158, 80, 105



79, 71, 78



143, 0, 115



15, 0, 12

Inverse Universe

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



158, 80, 143



207, 85, 183



80, 126, 158



79, 71, 78



143, 0, 115



15, 0, 12

Previews

White Background



This preview shows how the RYB color 158, 80, 143 looks on a white background.

Color Contrast Check

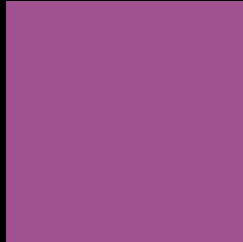
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 158, 80, 143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

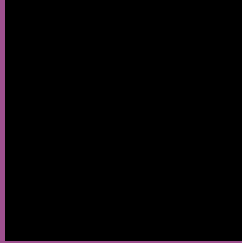
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

RYB 158, 80, 143 Background



This preview shows how black text looks on a background with the RYB color 158, 80, 143.

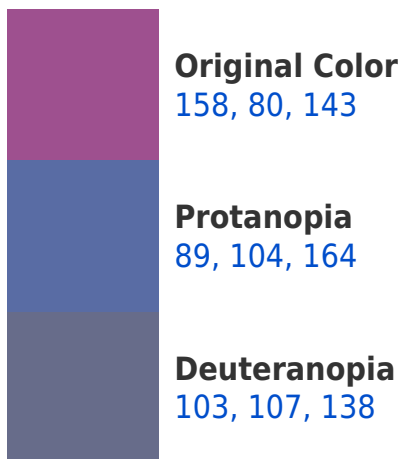


This preview shows how white text looks on a background with the RYB color 158, 80, 143.

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





Tritanopia
153, 90, 97

Trichromacy



Original Color
158, 80, 143

Protanomaly
114, 97, 156

Deuteranomaly
123, 97, 140

Tritanomaly
155, 86, 114

Monochromacy



Original Color
158, 80, 143

Achromatopsia
111, 111, 111

Achromatomaly
128, 100, 123

CSS Examples

Text

The CSS property to change the color of the text to RYB 158, 80, 143 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, 80, 143)` looks like.

```
.text, #text, p{  
    color:rgb(158, 80, 143)  
}
```

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, 80, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 80, 143) }
```

Border

The CSS property to change the border of an element to RYB 158, 80, 143 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, 80, 143) }
```

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

```
.border{ border-color:rgb(158, 80, 143) }
```

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

Here you see how a box with a 4 pixel rgb(158, 80, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 80, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 80, 143);  
box-shadow:4px 4px 4px 4px rgb(158, 80,  
143) }
```

Background

The CSS property to change the background color of an element to RGB 158, 80, 143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 80, 143) }
```

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

```
.background{ background-color: rgb(158, 80,  
143) }
```

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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