

Converting Colors

`RYB(158, 16, 171)`

Have a look what the booklet for
RYB(158, 16, 171) contains.

RYB(158, 16, 171)	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(158, 16, 171)

Conversions

Conversions Part 1

Format	Color
Hex	9E10AB
RGB	158, 16, 171
RGB Percent	62%, 6%, 67%
CMY	0.3804, 0.9373, 0.3294
CMYK	0.08, 0.91, 0.00, 0.33
HSL	295°, 83%, 37%
HSV	295°, 91%, 67%
XYZ	21.6365, 10.5800, 39.4298
YIQ	76.1280, 34.8770, 78.3090

Conversions

Conversions Part 2

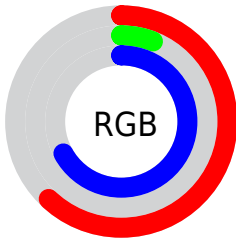
Format	Color
RYB	158, 16, 171
Decimal	10358955
CIELab	38.86, 68.81, -47.96
CIELCh	39, 83.879, 325.123
Yxy	10.5800, 0.3020, 0.1477
Android (android.graphics.Color)	4288549035 (0xFF9E10AB)
YUV	76.1280, 46.7719, 71.8017
Hunter-Lab	32.5268, 61.8144, -49.1040

Details

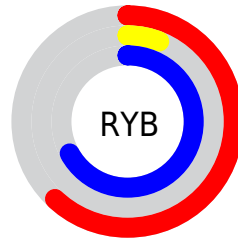
The RYB color **158, 16, 171** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **16, 171, 158**, and the grayscale version is **76, 76, 76**.

A 20% lighter version of the original color is **216, 86, 227**, and **102, 0, 118** is the 20% darker color. If you saturate the color by 10%, you get **157, 0, 171**, and if you desaturate by 10%, it is **159, 33, 171**.

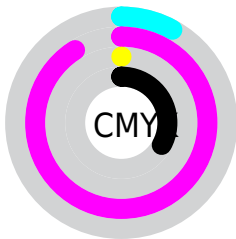
Distribution



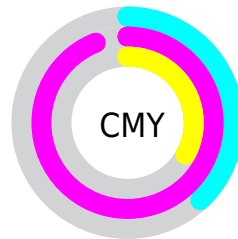
- Red (62%)
- Green (6%)
- Blue (67%)



- Red (62%)
- Yellow (6%)
- Blue (67%)



- Cyan (8%)
- Magenta (91%)
- Yellow (0%)
- Black (33%)



- Cyan (38%)
- Magenta (94%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 158, 16, 171 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, 16, 171 by changing the saturation by 10% instead.



158, 16, 171



158, 16, 171

255, 255, 255



130, 0, 144



216, 86, 227



102, 0, 118



246, 115, 255



74, 0, 92



255, 143, 255



49, 0, 68



255, 172, 255



14, 0, 45



255, 201, 255



0, 1, 23



255, 230, 255



0, 0, 0



158, 16, 171



158, 16, 171



157, 0, 171



159, 33, 171

■ 161, 50, 171

■ 162, 67, 171

■ 164, 84, 171

■ 165, 101, 171

■ 167, 119, 171

■ 168, 136, 171

■ 169, 153, 171

■ 171, 170, 171

Harmonies

Analogous

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



0, 58, 218



158, 16, 171



199, 0, 106

Triad

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



158, 16, 171



53, 122, 0



0, 66, 148

Complementary

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



158, 16, 171



16, 171, 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, 69, 116



158, 16, 171



0, 104, 50

Square

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



158, 16, 171



170, 65, 0



0, 113, 113



0, 74, 205

Rectangle

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



158, 16, 171



203, 0, 61



0, 113, 113



0, 61, 126

Sweetspot

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



158, 16, 171



217, 162, 222



16, 30, 171



109, 76, 112



240, 240, 240



112, 112, 112

Same Dimension

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



158, 16, 171



203, 0, 222



171, 16, 109



86, 78, 87



138, 0, 150



21, 0, 23

Inverse Universe

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



171, 16, 29



222, 0, 19



16, 127, 171



87, 78, 79



150, 0, 13



23, 0, 2

Previews

White Background



This preview shows how the RYB color 158, 16, 171 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, 16, 171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

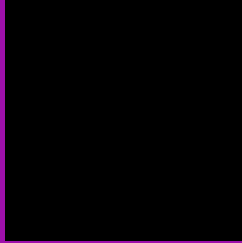
Any Text WCAG AA × Fail

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](#).

R Y B 158, 16, 171 Background



This preview shows how black text looks on a background with the R Y B color 158, 16, 171.

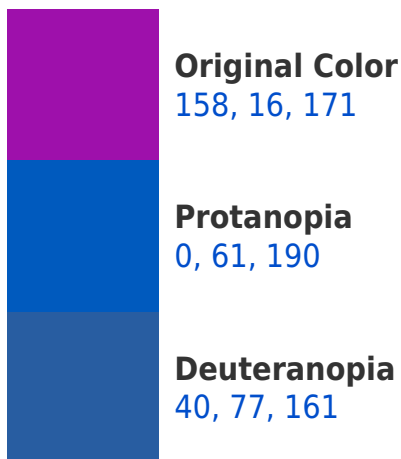


This preview shows how white text looks on a background with the R Y B color 158, 16, 171.

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
146, 68, 73

Trichromacy



Original Color

158, 16, 171



Protanomaly

57, 63, 183



Deuteranomaly

83, 66, 165



Tritanomaly

150, 49, 109

Monochromacy



Original Color

158, 16, 171



Achromatopsia

76, 76, 76



Achromatomaly

106, 54, 111

CSS Examples

Text

The CSS property to change the color of the text to RYB 158, 16, 171 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, 16, 171)` looks like.

```
.text, #text, p{  
    color:rgb(158, 16, 171)  
}
```

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, 16, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 16, 171) }
```

Border

The CSS property to change the border of an element to RYB 158, 16, 171 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, 16, 171) }
```

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

```
.border{ border-color:rgb(158, 16, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 16, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 16, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 16, 171);  
box-shadow:4px 4px 4px 4px rgb(158, 16,  
171) }
```

Background

The CSS property to change the background color of an element to RGB 158, 16, 171 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 16, 171) }
```

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

```
.background{ background-color: rgb(158, 16,  
171) }
```

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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