

Converting Colors

`RYB(159, 31, 173)`

Have a look what the booklet for
RYB(159, 31, 173) contains.

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Color

R_YB(159, 31, 173)

Conversions

Conversions Part 1

Format	Color
Hex	9F1FAD
RGB	159, 31, 173
RGB Percent	62%, 12%, 68%
CMY	0.3765, 0.8784, 0.3216
CMYK	0.08, 0.82, 0.00, 0.32
HSL	294°, 70%, 40%
HSV	294°, 82%, 68%
XYZ	22.3309, 11.3680, 40.5524
YIQ	85.4600, 30.7060, 71.2980

Conversions

Conversions Part 2

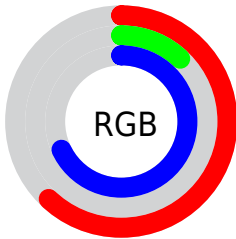
Format	Color
R_{YB}	159, 31, 173
Decimal	10428333
CIE _{Lab}	40.19, 66.31, -47.01
CIE _{LCh}	40, 81.286, 324.666
Yxy	11.3680, 0.3007, 0.1531
Android (android.graphics.Color)	4288618413 (0xFF9F1FAD)
YUV	85.4600, 43.1572, 64.4946
Hunter-Lab	33.7165, 59.2190, -47.7093

Details

The RYB color **159, 31, 173** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **31, 173, 159**, and the grayscale version is **85, 85, 85**.

A 20% lighter version of the original color is **217, 93, 229**, and **103, 0, 120** is the 20% darker color. If you saturate the color by 10%, you get **157, 14, 173**, and if you desaturate by 10%, it is **161, 48, 173**.

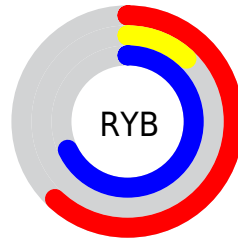
Distribution



Red (62%)

Green (12%)

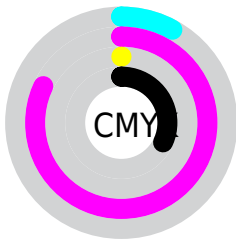
Blue (68%)



Red (62%)

Yellow (12%)

Blue (68%)

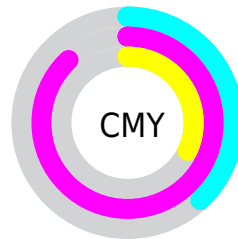


Cyan (8%)

Magenta (82%)

Yellow (0%)

Black (32%)



Cyan (38%)

Magenta (88%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the RYB color 159, 31, 173 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 159, 31, 173 by changing the saturation by 10% instead.



159, 31, 173



159, 31, 173

255, 255, 255



131, 0, 146



217, 93, 229



103, 0, 120



247, 122, 255



75, 0, 94



255, 150, 255



51, 0, 70



255, 178, 255



18, 0, 47



255, 207, 255



0, 1, 25



255, 237, 255



0, 0, 0



159, 31, 173



159, 31, 173



157, 14, 173



161, 48, 173

156, 0, 173

162, 66, 173

164, 83, 173

166, 100, 173

168, 118, 173

169, 135, 173

171, 152, 173

173, 169, 173

173, 187, 186

Harmonies

Analogous

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



18, 67, 218



159, 31, 173



200, 0, 110

Triad

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



159, 31, 173



54, 126, 0



0, 67, 149

Complementary

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



159, 31, 173



31, 173, 159

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, 72, 120



159, 31, 173



0, 107, 45

Square

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



159, 31, 173



173, 76, 0



0, 116, 116



0, 75, 204

Rectangle

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



159, 31, 173



205, 0, 66



0, 116, 116



0, 62, 127

Sweetspot

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



159, 31, 173



219, 168, 224



31, 44, 173



109, 79, 112



240, 240, 240



112, 112, 112

Same Dimension

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



159, 31, 173



203, 4, 224



173, 31, 116



86, 78, 87



136, 0, 150



21, 0, 23

Inverse Universe

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



173, 31, 45



224, 4, 26



31, 132, 173



87, 78, 79



150, 0, 15



23, 0, 2

Previews

White Background



This preview shows how the RYB color 159, 31, 173 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 159, 31, 173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

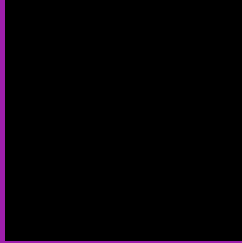
Any Text WCAG AA × Fail

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 159, 31, 173 Background



This preview shows how black text looks on a background with the RYB color 159, 31, 173.

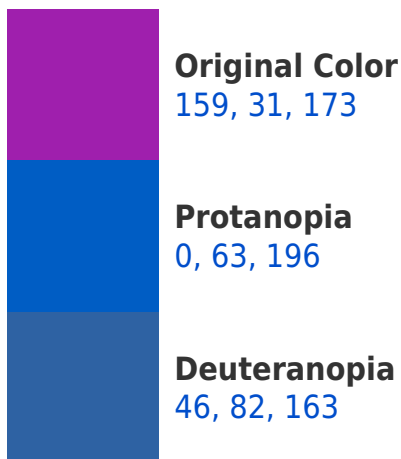


This preview shows how white text looks on a background with the RYB color 159, 31, 173.

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
147, 72, 77

Trichromacy



Original Color

159, 31, 173



Protanomaly

58, 69, 188



Deuteranomaly

87, 73, 167



Tritanomaly

151, 57, 112

Monochromacy



Original Color

159, 31, 173



Achromatopsia

85, 85, 85



Achromatomaly

112, 65, 117

CSS Examples

Text

The CSS property to change the color of the text to RYB 159, 31, 173 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(159, 31, 173)` looks like.

```
.text, #text, p{  
    color:rgb(159, 31, 173)  
}
```

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(159, 31, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 31, 173) }
```

Border

The CSS property to change the border of an element to RYB 159, 31, 173 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(159, 31, 173) }
```

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

```
.border{ border-color:rgb(159, 31, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 31, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 31, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 31, 173);  
box-shadow:4px 4px 4px 4px rgb(159, 31,  
173) }
```

Background

The CSS property to change the background color of an element to RGB 159, 31, 173 is called "background".

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

```
.background, #background, body{  
background: rgb(159, 31, 173) }
```

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

```
.background{ background-color: rgb(159, 31,  
173) }
```

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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