

Converting Colors

`RYB(159, 158, 196)`

Have a look what the booklet for RYB(159, 158, 196) contains.

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Color

R_YB(159, 158, 196)

Conversions

Conversions Part 1

Format	Color
Hex	9F9EC4
RGB	159, 158, 196
RGB Percent	62%, 62%, 77%
CMY	0.3765, 0.3804, 0.2314
CMYK	0.19, 0.19, 0.00, 0.23
HSL	242°, 24%, 69%
HSV	242°, 19%, 77%
XYZ	36.4887, 35.8102, 57.2134
YIQ	162.6310, -11.6020, 12.0300

Conversions

Conversions Part 2

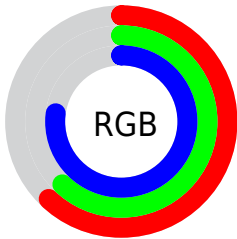
Format	Color
RYB	159, 158, 196
Decimal	10460868
CIELab	66.37, 8.33, -19.36
CIElCh	66, 21.080, 293.276
Yxy	35.8102, 0.2817, 0.2765
Android (android.graphics.Color)	4288650948 (0xFF9F9EC4)
YUV	162.6310, 16.4509, -3.1844
Hunter-Lab	59.8416, 4.1185, -14.7969

Details

The RYB color **159, 158, 196** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **158, 196, 159**, and the grayscale version is **162, 162, 162**.

A 20% lighter version of the original color is **214, 213, 253**, and **107, 107, 142** is the 20% darker color. If you saturate the color by 10%, you get **140, 138, 196**, and if you desaturate by 10%, it is **178, 178, 196**.

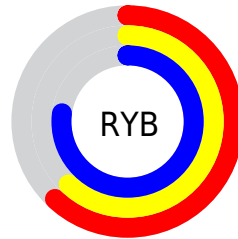
Distribution



Red (62%)

Green (62%)

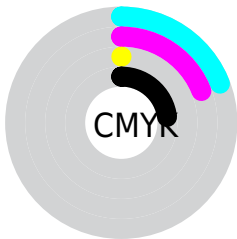
Blue (77%)



Red (62%)

Yellow (62%)

Blue (77%)

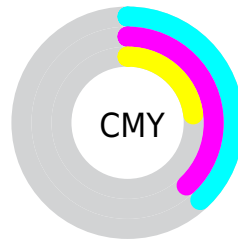


Cyan (19%)

Magenta (19%)

Yellow (0%)

Black (23%)



Cyan (38%)

Magenta (38%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the RYB color 159, 158, 196 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, 158, 196 by changing the saturation by 10% instead.

 159, 158, 196

255, 255, 255

 214, 213, 253

 243, 241, 255

 159, 158, 196

 133, 132, 169

 107, 107, 142

 82, 83, 117

 59, 60, 92

 36, 38, 68

 14, 18, 46

 0, 1, 25


 0, 0, 0


 159, 158, 196

 159, 158, 196

 140, 138, 196

 178, 178, 196

 121, 119, 196

 196, 197, 196

 102, 99, 196

 196, 217, 197

 83, 80, 196

 196, 236, 197


 64, 60, 196

 196, 255, 197

 44, 40, 196

 196, 255, 196

 25, 21, 196

 6, 1, 196

 5, 0, 196

Harmonies

Analogous

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



133, 154, 199



159, 158, 196



182, 152, 184

Triad

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



159, 158, 196



194, 164, 132



119, 150, 172

Complementary

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



159, 158, 196



158, 196, 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.



138, 169, 169



159, 158, 196



158, 180, 124

Square

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



159, 158, 196



201, 149, 147



126, 165, 131



108, 141, 176

Rectangle

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



159, 158, 196



193, 149, 173



126, 165, 131



125, 155, 171

Sweetspot

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



159, 158, 196



240, 240, 255



158, 177, 196



119, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



159, 158, 196



198, 196, 255



178, 158, 196



87, 87, 97



4, 0, 161



1, 0, 33

Inverse Universe

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



196, 158, 195



255, 196, 253



158, 196, 178



97, 87, 97



161, 0, 156



33, 0, 32

Previews

White Background



This preview shows how the RYB color 159, 158, 196 looks on a white background.

Color Contrast Check

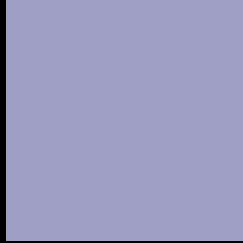
Large Text (above 18pt) WCAG AA × Fail

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 159, 158, 196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

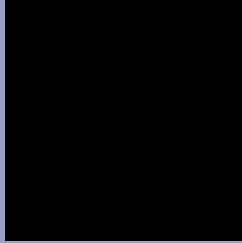
Any Text WCAG AA ✓ Pass

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](#).

RYB 159, 158, 196 Background



This preview shows how black text looks on a background with the RYB color 159, 158, 196.



This preview shows how white text looks on a background with the RYB color 159, 158, 196.

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](#).

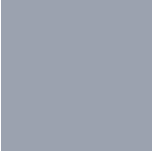
Dichromacy



Original Color
[159](#), [158](#), [196](#)

Protanopia
[153](#), [159](#), [197](#)

Deuteranopia
[160](#), [158](#), [196](#)



Tritanopia
155, 160, 175

Trichromacy



Original Color

159, 158, 196

Protanomaly

155, 159, 197

Deuteranomaly

160, 158, 196

Tritanomaly

156, 160, 183

Monochromacy



Original Color

159, 158, 196

Achromatopsia

163, 163, 163

Achromatomaly

162, 161, 175

CSS Examples

Text

The CSS property to change the color of the text to RYB 159, 158, 196 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, 158, 196)` looks like.

```
.text, #text, p{  
    color:rgb(159, 158, 196)  
}
```

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, 158, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 158, 196) }
```

Border

The CSS property to change the border of an element to RYB 159, 158, 196 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, 158, 196) }
```

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

```
.border{ border-color:rgb(159, 158, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 158, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 158, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 158, 196);  
box-shadow:4px 4px 4px 4px rgb(159, 158,  
196) }
```

Background

The CSS property to change the background color of an element to RYB 159, 158, 196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 158, 196) }
```

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

```
.background{ background-color: rgb(159,  
158, 196) }
```

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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