

Converting Colors

`RYB(161, 163, 188)`

Have a look what the booklet for RYB(161, 163, 188) contains.

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Color

R_YB(161, 163, 188)

Conversions

Conversions Part 1

Format	Color
Hex	A1A3BC
RGB	161, 163, 188
RGB Percent	63%, 64%, 74%
CMY	0.3686, 0.3602, 0.2627
CMYK	0.14, 0.13, 0.00, 0.26
HSL	235°, 17%, 68%
HSV	235°, 14%, 74%
XYZ	36.9007, 37.4591, 52.8624
YIQ	165.2520, -9.2170, 7.3510

Conversions

Conversions Part 2

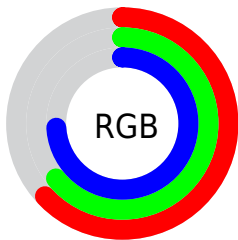
Format	Color
RYB	161, 163, 188
Decimal	10593212
CIELab	67.62, 4.32, -13.02
CIELCh	68, 13.717, 288.375
Yxy	37.4591, 0.2900, 0.2944
Android (android.graphics.Color)	4288783292 (0xFFA1A3BC)
YUV	165.2520, 11.2148, -3.7290
Hunter-Lab	61.2039, 0.5133, -8.3667

Details

The RYB color **161, 163, 188** is a light color, and the websafe version is hex **999999**. A complement of this color would be **163, 188, 161**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **216, 218, 244**, and **109, 111, 135** is the 20% darker color. If you saturate the color by 10%, you get **142, 146, 188**, and if you desaturate by 10%, it is **180, 180, 188**.

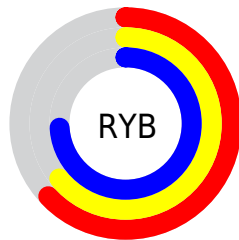
Distribution



Red (63%)

Green (64%)

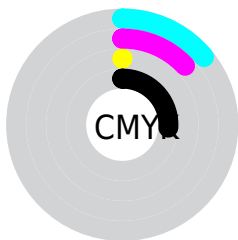
Blue (74%)



Red (63%)

Yellow (64%)

Blue (74%)

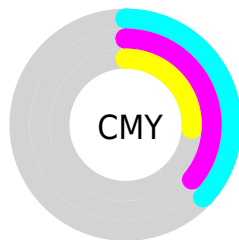


Cyan (14%)

Magenta (13%)

Yellow (0%)

Black (26%)



Cyan (37%)

Magenta (36%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the RYB color 161, 163, 188 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 161, 163, 188 by changing the saturation by 10% instead.

■ 161, 163, 188

255, 255, 255

■ 216, 218, 244

■ 244, 246, 255

■ 161, 163, 188

■ 135, 137, 161

■ 109, 112, 135

■ 85, 87, 109

■ 61, 64, 85

■ 39, 42, 62

■ 18, 21, 40

■ 0, 1, 19

■ 0, 0, 0

■ 161, 163, 188

■ 161, 163, 188

■ 142, 146, 188

■ 180, 180, 188

■ 123, 128, 188

■ 189, 199, 188

■ 105, 111, 188

■ 190, 217, 188

■ 86, 93, 188

■ 192, 236, 188

■ 67, 76, 188

■ 193, 255, 188

■ 48, 58, 188

■ 188, 255, 188

■ 29, 41, 188

■ 11, 24, 188

■ 0, 14, 188

Harmonies

Analogous

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



146, 160, 189



161, 163, 188



176, 159, 181

Triad

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



161, 163, 188



188, 164, 147



140, 160, 172

Complementary

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



161, 163, 188



163, 188, 161

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.



148, 170, 166



161, 163, 188



172, 179, 141

Square

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



161, 163, 188



191, 156, 157



141, 166, 141



133, 153, 172

Rectangle

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



161, 163, 188



184, 157, 174



141, 166, 141



144, 163, 171

Sweetspot

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



161, 163, 188



235, 236, 245



161, 175, 188



116, 117, 122



250, 250, 250



122, 122, 122

Same Dimension

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



161, 163, 188



203, 207, 245



172, 161, 188



85, 86, 94



0, 12, 158



0, 2, 31

Inverse Universe

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



188, 161, 163



245, 203, 207



161, 188, 172



94, 85, 86



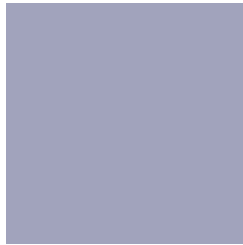
158, 0, 13



31, 0, 2

Previews

White Background



This preview shows how the RYB color 161, 163, 188 looks on a white background.

Color Contrast Check

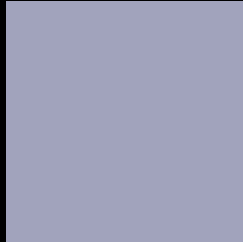
Large Text (above 18pt) WCAG AA × Fail

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 161, 163, 188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

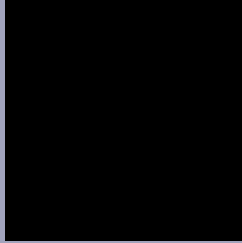
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

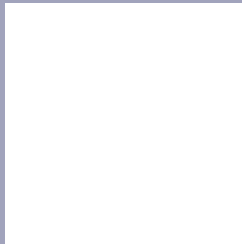
Any Text WCAG AAA ✓ Pass

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

RYB 161, 163, 188 Background



This preview shows how black text looks on a background with the RYB color 161, 163, 188.



This preview shows how white text looks on a background with the RYB color 161, 163, 188.

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
161, 163, 188

Protanopia
160, 163, 188

Deuteranopia
169, 160, 189



Tritanopia

159, 164, 178

Trichromacy



Original Color

161, 163, 188

Protanomaly

160, 163, 188

Deuteranomaly

166, 161, 189

Tritanomaly

160, 163, 182

Monochromacy



Original Color

161, 163, 188

Achromatopsia

165, 165, 165

Achromatomaly

164, 164, 173

CSS Examples

Text

The CSS property to change the color of the text to RYB 161, 163, 188 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(161, 163, 188)` looks like.

```
.text, #text, p{  
    color:rgb(161, 163, 188)  
}
```

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(161, 163, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 163, 188) }
```

Border

The CSS property to change the border of an element to RYB 161, 163, 188 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(161, 163, 188) }
```

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

```
.border{ border-color:rgb(161, 163, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 163, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 163, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 163, 188);  
box-shadow:4px 4px 4px 4px rgb(161, 163,  
188) }
```

Background

The CSS property to change the background color of an element to RYB 161, 163, 188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 163, 188) }
```

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

```
.background{ background-color: rgb(161,  
163, 188) }
```

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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