

Converting Colors

`RYB(163, 169, 207)`

Have a look what the booklet for RYB(163, 169, 207) contains.

RYB(163, 169, 207)	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(163, 169, 207)

Conversions

Conversions Part 1

Format	Color
Hex	A3AACF
RGB	163, 170, 207
RGB Percent	64%, 67%, 81%
CMY	0.3608, 0.3335, 0.1882
CMYK	0.21, 0.18, 0.00, 0.19
HSL	231°, 31%, 73%
HSV	231°, 21%, 81%
XYZ	40.7316, 41.0212, 64.8026
YIQ	172.1250, -16.0490, 10.0230

Conversions

Conversions Part 2

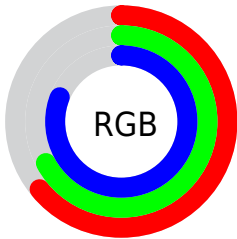
Format	Color
R _Y B	163, 169, 207
Decimal	10726095
CIE Lab	70.19, 5.45, -19.63
CIE LCh	70, 20.370, 285.527
Yxy	41.0212, 0.2779, 0.2799
Android (android.graphics.Color)	4288916175 (0xFFA3AACF)
YUV	172.1250, 17.1934, -8.0026
Hunter-Lab	64.0478, 1.4344, -15.1552

Details

The RYB color **163, 169, 207** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **171, 207, 163**, and the grayscale version is **172, 172, 172**.

A 20% lighter version of the original color is **218, 224, 255**, and **111, 117, 153** is the 20% darker color. If you saturate the color by 10%, you get **142, 151, 207**, and if you desaturate by 10%, it is **184, 187, 207**.

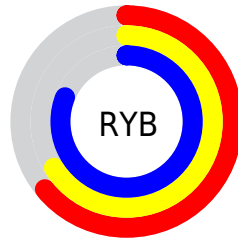
Distribution



Red (64%)

Green (67%)

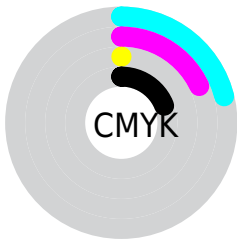
Blue (81%)



Red (64%)

Yellow (66%)

Blue (81%)

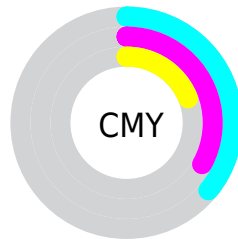


Cyan (21%)

Magenta (18%)

Yellow (0%)

Black (19%)



Cyan (36%)

Magenta (33%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the RYB color 163, 169, 207 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 163, 169, 207 by changing the saturation by 10% instead.

 163, 169, 207


255, 255, 255

 218, 224, 255

 247, 251, 255

 163, 169, 207

 136, 143, 179

 111, 117, 153

 86, 92, 127

 62, 69, 101

 38, 46, 77

 15, 24, 54

 0, 0, 33

 0, 0, 7

 0, 0, 0

■ 163, 169, 207

■ 163, 169, 207

■ 142, 151, 207

■ 184, 187, 207

■ 122, 133, 207

■ 204, 205, 207

■ 101, 116, 207

■ 211, 225, 207

■ 80, 97, 207

■ 214, 246, 207

■ 59, 80, 207

■ 207, 255, 207

■ 39, 62, 207

■ 18, 44, 207

■ 0, 28, 207

Harmonies

Analogous

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



139, 163, 207



163, 169, 207



186, 164, 198

Triad

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



163, 169, 207



207, 168, 146



135, 165, 182

Complementary

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



163, 169, 207



171, 207, 163

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.



145, 179, 169



163, 169, 207



187, 194, 136

Square

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



163, 169, 207



210, 159, 162



139, 176, 136



122, 152, 182

Rectangle

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



163, 169, 207



199, 161, 187



139, 176, 136



141, 170, 181

Sweetspot

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



163, 169, 207



240, 242, 255



163, 187, 207



119, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



163, 169, 207



189, 198, 255



178, 163, 207



94, 96, 105



0, 23, 168



0, 5, 41

Inverse Universe

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



207, 163, 170



255, 189, 199



163, 207, 178



105, 94, 96



168, 0, 27



41, 0, 6

Previews

White Background



This preview shows how the RYB color 163, 169, 207 looks on a white background.

Color Contrast Check

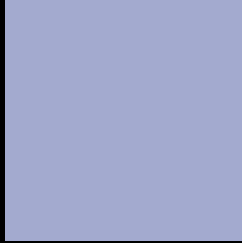
Large Text (above 18pt) WCAG AA × Fail

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 163, 169, 207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

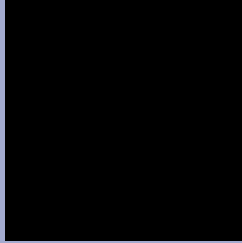
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

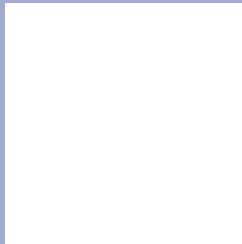
Any Text WCAG AAA ✓ Pass

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

RYB 163, 169, 207 Background



This preview shows how black text looks on a background with the RYB color 163, 169, 207.



This preview shows how white text looks on a background with the RYB color 163, 169, 207.

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](#).

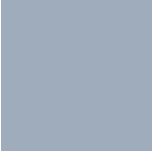
Dichromacy



Original Color
163, 169, 207

Protanopia
163, 169, 207

Deuteranopia
170, 168, 207



Tritanopia
159, 168, 187

Trichromacy



Original Color
163, 169, 207

Protanomaly
163, 169, 207

Deuteranomaly
167, 169, 207

Tritanomaly
160, 169, 194

Monochromacy



Original Color
163, 169, 207

Achromatopsia
172, 172, 172

Achromatomaly
169, 171, 185

CSS Examples

Text

The CSS property to change the color of the text to RYB 163, 169, 207 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(163, 170, 207)` looks like.

```
.text, #text, p{  
    color:rgb(163, 170, 207)  
}
```

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(163, 170, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 170, 207) }
```

Border

The CSS property to change the border of an element to RYB 163, 169, 207 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(163, 170, 207) }
```

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

```
.border{ border-color:rgb(163, 170, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 170, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 170, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 170, 207);  
box-shadow:4px 4px 4px 4px rgb(163, 170,  
207) }
```

Background

The CSS property to change the background color of an element to RYB 163, 169, 207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 170, 207) }
```

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

```
.background{ background-color: rgb(163,  
170, 207) }
```

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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