

Converting Colors

`RYB(153, 167, 209)`

Have a look what the booklet for
RYB(153, 167, 209) contains.

RYB(153, 167, 209)	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(153, 167, 209)

Conversions

Conversions Part 1

Format	Color
Hex	99ACD1
RGB	153, 172, 209
RGB Percent	60%, 67%, 82%
CMY	0.4000, 0.3268, 0.1804
CMYK	0.27, 0.18, 0.00, 0.18
HSL	220°, 38%, 71%
HSV	220°, 27%, 82%
XYZ	39.3347, 40.7541, 66.1148
YIQ	170.5370, -23.2010, 7.4790

Conversions

Conversions Part 2

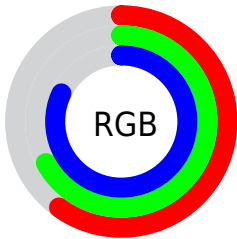
Format	Color
R _{YB}	153, 167, 209
Decimal	10071249
CIE Lab	70.00, 1.90, -21.08
CIE LCh	70, 21.164, 275.155
Yxy	40.7541, 0.2690, 0.2787
Android (android.graphics.Color)	4288261329 (0xFF99ACD1)
YUV	170.5370, 18.9623, -15.3799
Hunter-Lab	63.8389, -1.7345, -16.7164

Details

The RYB color **153, 167, 209** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **182, 209, 153**, and the grayscale version is **170, 170, 170**.

A 20% lighter version of the original color is **208, 222, 255**, and **101, 115, 154** is the 20% darker color. If you saturate the color by 10%, you get **132, 151, 209**, and if you desaturate by 10%, it is **174, 183, 209**.

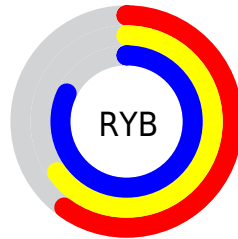
Distribution



Red (60%)

Green (67%)

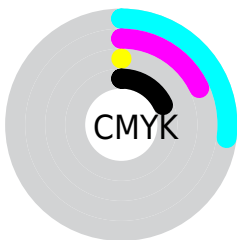
Blue (82%)



Red (60%)

Yellow (65%)

Blue (82%)

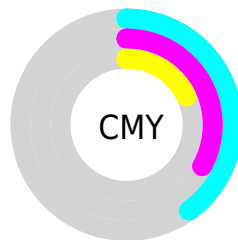


Cyan (27%)

Magenta (18%)

Yellow (0%)

Black (18%)



Cyan (40%)

Magenta (33%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 153, 167, 209 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 153, 167, 209 by changing the saturation by 10% instead.

■ 153, 167, 209

255, 255, 255

■ 208, 222, 255

■ 237, 246, 255

■ 153, 167, 209

■ 126, 140, 181

■ 101, 115, 154

■ 76, 90, 128

■ 51, 65, 103

■ 26, 42, 79

■ 0, 19, 56

■ 0, 1, 35

■ 0, 0, 9

■ 0, 0, 0

■ 153, 167, 209

■ 153, 167, 209

■ 132, 151, 209

■ 174, 183, 209

■ 111, 136, 209

■ 195, 199, 209

■ 90, 120, 209

■ 214, 216, 209

■ 69, 104, 209

■ 225, 237, 209

■ 49, 89, 209

■ 229, 255, 209

■ 28, 73, 209

■ 209, 255, 209

■ 7, 57, 209

■ 0, 52, 209

Harmonies

Analogous

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



130, 159, 205



153, 167, 209



179, 165, 202

Triad

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



153, 167, 209



210, 161, 150



139, 170, 181

Complementary

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



153, 167, 209



182, 209, 153

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.



139, 177, 155



153, 167, 209



200, 184, 137

Square

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



153, 167, 209



210, 157, 168



147, 182, 133



123, 155, 182

Rectangle

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



153, 167, 209



193, 161, 193



147, 182, 133



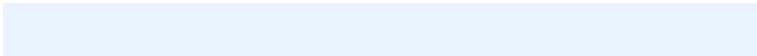
146, 177, 180

Sweetspot

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



153, 167, 209



235, 240, 255



153, 187, 209



115, 118, 128



0, 0, 0



128, 128, 128

Same Dimension

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



153, 167, 209



173, 194, 255



162, 153, 209



94, 97, 105



0, 42, 168



0, 10, 41

Inverse Universe

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



209, 153, 172



255, 173, 201



153, 209, 162



105, 94, 98



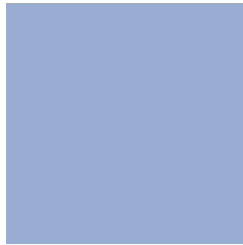
168, 0, 56



41, 0, 14

Previews

White Background



This preview shows how the RYB color 153, 167, 209 looks on a white background.

Color Contrast Check

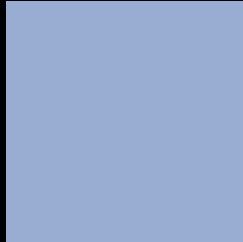
Large Text (above 18pt) WCAG AA × Fail

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 153, 167, 209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

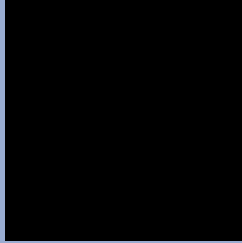
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

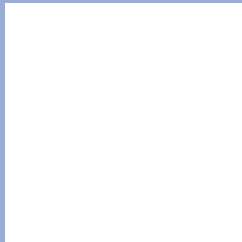
Any Text WCAG AAA ✓ Pass

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

RYB 153, 167, 209 Background



This preview shows how black text looks on a background with the RYB color 153, 167, 209.



This preview shows how white text looks on a background with the RYB color 153, 167, 209.

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

153, 167, 209

Protanopia

162, 168, 207

Deuteranopia

168, 167, 210



Tritanopia
149, 165, 189

Trichromacy



Original Color
153, 167, 209

Protanomaly
159, 168, 208

Deuteranomaly
163, 168, 210

Tritanomaly
150, 166, 196

Monochromacy



Original Color
153, 167, 209

Achromatopsia
170, 170, 170

Achromatomaly
164, 169, 184

CSS Examples

Text

The CSS property to change the color of the text to RYB 153, 167, 209 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(153, 172, 209)` looks like.

```
.text, #text, p{  
    color:rgb(153, 172, 209)  
}
```

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(153, 172, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 172, 209) }
```

Border

The CSS property to change the border of an element to RYB 153, 167, 209 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(153, 172, 209) }
```

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

```
.border{ border-color:rgb(153, 172, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 172, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 172, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 172, 209);  
box-shadow:4px 4px 4px 4px rgb(153, 172,  
209) }
```

Background

The CSS property to change the background color of an element to RYB 153, 167, 209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 172, 209) }
```

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

```
.background{ background-color: rgb(153,  
172, 209) }
```

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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