

Converting Colors

`RYB(153, 170, 212)`

Have a look what the booklet for
RYB(153, 170, 212) contains.

RYB(153, 170, 212)	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

`RYB(153, 170, 212)`

Conversions

Conversions Part 1

Format	Color
Hex	99B1D4
RGB	153, 177, 212
RGB Percent	60%, 69%, 83%
CMY	0.4000, 0.3063, 0.1686
CMYK	0.28, 0.17, 0.00, 0.17
HSL	216°, 41%, 72%
HSV	216°, 28%, 83%
XYZ	40.7192, 42.9230, 68.4262
YIQ	173.8140, -25.5390, 5.7970

Conversions

Conversions Part 2

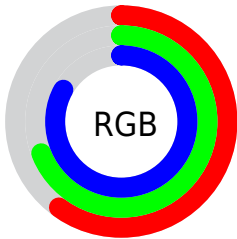
Format	Color
RYB	153, 170, 212
Decimal	10072532
CIELab	71.50, -0.24, -20.44
CIELCh	72, 20.445, 269.327
Yxy	42.9230, 0.2678, 0.2823
Android (android.graphics.Color)	4288262612 (0xFF99B1D4)
YUV	173.8140, 18.8257, -18.2539
Hunter-Lab	65.5157, -3.7115, -16.0630

Details

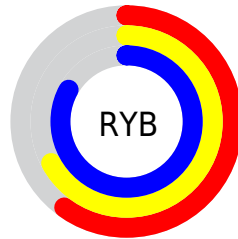
The RYB color **153, 170, 212** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **193, 212, 153**, and the grayscale version is **174, 174, 174**.

A 20% lighter version of the original color is **208, 224, 255**, and **100, 117, 157** is the 20% darker color. If you saturate the color by 10%, you get **132, 155, 212**, and if you desaturate by 10%, it is **174, 185, 212**.

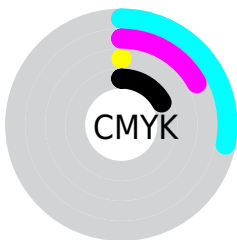
Distribution



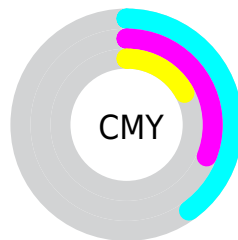
- Red (60%)
- Green (69%)
- Blue (83%)



- Red (60%)
- Yellow (67%)
- Blue (83%)



- Cyan (28%)
- Magenta (17%)
- Yellow (0%)
- Black (17%)



- Cyan (40%)
- Magenta (31%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the RYB color 153, 170, 212 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, 170, 212 by changing the saturation by 10% instead.

 153, 170, 212


255, 255, 255

 208, 224, 255

 237, 246, 255

 153, 170, 212

 126, 143, 184

 100, 117, 157

 75, 92, 131

 50, 68, 106

 25, 44, 82

 0, 21, 58

 0, 7, 37

 0, 1, 14

 0, 0, 0

■ 153, 170, 212

■ 153, 170, 212

■ 132, 155, 212

■ 174, 185, 212

■ 111, 140, 212

■ 195, 200, 212

■ 89, 125, 212

■ 215, 217, 212

■ 68, 109, 212

■ 231, 238, 212

■ 47, 95, 212

■ 235, 255, 212

■ 26, 79, 212

■ 214, 255, 212

■ 5, 65, 212

■ 212, 255, 212

■ 0, 61, 212

Harmonies

Analogous

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



132, 162, 207



153, 170, 212



178, 171, 208

Triad

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



153, 170, 212



214, 163, 158



148, 177, 184

Complementary

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



153, 170, 212



193, 212, 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.



142, 180, 152



153, 170, 212



206, 183, 144

Square

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



153, 170, 212



212, 162, 176



161, 190, 138



131, 162, 186

Rectangle

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



153, 170, 212



193, 167, 200



161, 190, 138



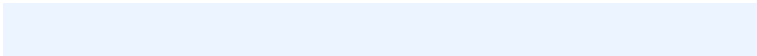
150, 183, 178

Sweetspot

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



153, 170, 212



235, 241, 255



153, 190, 212



115, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



153, 170, 212



171, 195, 255



158, 153, 212



96, 99, 107



0, 49, 171



0, 13, 43

Inverse Universe

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



212, 153, 177



255, 171, 205



153, 212, 158



107, 96, 101



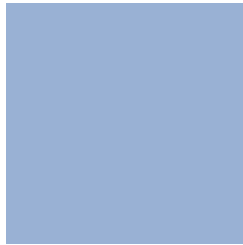
171, 0, 69



43, 0, 18

Previews

White Background



This preview shows how the RYB color 153, 170, 212 looks on a white background.

Color Contrast Check

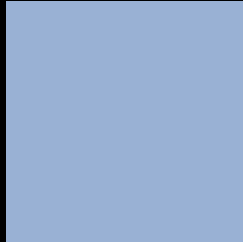
Large Text (above 18pt) WCAG AA × Fail

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, 170, 212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

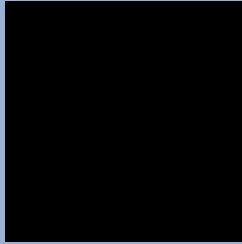
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

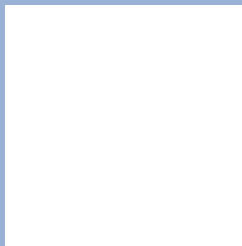
Any Text WCAG AAA ✓ Pass

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

RYB 153, 170, 212 Background



This preview shows how black text looks on a background with the RYB color 153, 170, 212.



This preview shows how white text looks on a background with the RYB color 153, 170, 212.

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](#).

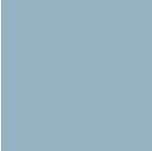
Dichromacy



Original Color
153, 170, 212

Protanopia
167, 172, 209

Deuteranopia
173, 171, 213



Tritanopia
149, 167, 194

Trichromacy



Original Color
153, 170, 212

Protanomaly
162, 172, 210

Deuteranomaly
166, 172, 213

Tritanomaly
150, 168, 201

Monochromacy



Original Color
153, 170, 212

Achromatopsia
174, 174, 174

Achromatomaly
166, 172, 188

CSS Examples

Text

The CSS property to change the color of the text to RYB 153, 170, 212 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, 177, 212)` looks like.

```
.text, #text, p{  
    color:rgb(153, 177, 212)  
}
```

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, 177, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 177, 212) }
```

Border

The CSS property to change the border of an element to RYB 153, 170, 212 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, 177, 212) }
```

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

```
.border{ border-color:rgb(153, 177, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 177, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 177, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 177, 212);  
box-shadow:4px 4px 4px 4px rgb(153, 177,  
212) }
```

Background

The CSS property to change the background color of an element to RYB 153, 170, 212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 177, 212) }
```

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

```
.background{ background-color: rgb(153,  
177, 212) }
```

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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