

Converting Colors

`RYB(153, 171, 225)`

Have a look what the booklet for
RYB(153, 171, 225) contains.

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Color

R_YB(153, 171, 225)

Conversions

Conversions Part 1

Format	Color
Hex	99B1E1
RGB	153, 177, 225
RGB Percent	60%, 69%, 88%
CMY	0.4000, 0.3059, 0.1176
CMYK	0.32, 0.21, 0.00, 0.12
HSL	220°, 55%, 74%
HSV	220°, 32%, 88%
XYZ	42.4496, 43.6528, 77.4227
YIQ	175.2960, -29.7120, 9.8400

Conversions

Conversions Part 2

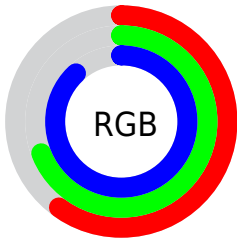
Format	Color
R _Y B	153, 171, 225
Decimal	10072545
CIE Lab	72.00, 2.90, -26.79
CIE LCh	72, 26.951, 276.177
Yxy	43.6528, 0.2596, 0.2669
Android (android.graphics.Color)	4288262625 (0xFF99B1E1)
YUV	175.2960, 24.5041, -19.5536
Hunter-Lab	66.0703, -0.9382, -23.2282

Details

The RYB color **153, 171, 225** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **189, 225, 153**, and the grayscale version is **175, 175, 175**.

A 20% lighter version of the original color is **209, 225, 255**, and **100, 118, 170** is the 20% darker color. If you saturate the color by 10%, you get **131, 154, 225**, and if you desaturate by 10%, it is **176, 188, 225**.

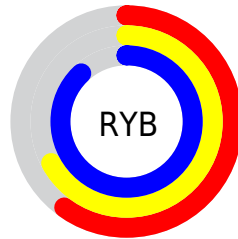
Distribution



Red (60%)

Green (69%)

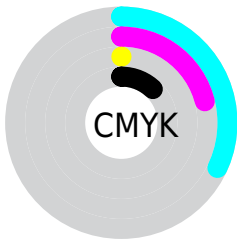
Blue (88%)



Red (60%)

Yellow (67%)

Blue (88%)

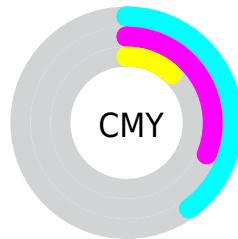


Cyan (32%)

Magenta (21%)

Yellow (0%)

Black (12%)



Cyan (40%)

Magenta (31%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RYB color 153, 171, 225 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, 171, 225 by changing the saturation by 10% instead.


 153, 171, 225


255, 255, 255

 209, 225, 255

 238, 247, 255

 153, 171, 225

 126, 144, 197


 100, 118, 170

 74, 93, 143

 48, 68, 117

 19, 43, 92

 0, 22, 69


 0, 7, 46

 0, 1, 25


 0, 0, 0

 153, 171, 225


 153, 171, 225

 131, 154, 225


 176, 188, 225

 108, 137, 225


 198, 205, 225

 86, 121, 225

 220, 221, 225

 63, 104, 225

 234, 243, 225

 41, 87, 225

 228, 255, 225

 18, 70, 225

 225, 255, 225

 0, 56, 225

Harmonies

Analogous

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



120, 159, 221



153, 171, 225



187, 168, 216

Triad

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



153, 171, 225



224, 163, 149



134, 173, 189

Complementary

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



153, 171, 225



189, 225, 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.



136, 184, 158



153, 171, 225



211, 198, 132

Square

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



153, 171, 225



225, 158, 172



142, 189, 127



110, 152, 190

Rectangle

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



153, 171, 225



205, 163, 204



142, 189, 127



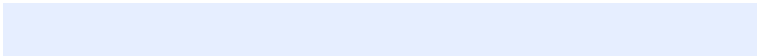
143, 183, 187

Sweetspot

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



153, 171, 225



230, 236, 255



153, 196, 225



112, 116, 128



0, 0, 0



128, 128, 128

Same Dimension

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



153, 171, 225



158, 182, 255



165, 153, 225



101, 104, 112



0, 44, 176



0, 12, 48

Inverse Universe

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



225, 153, 177



255, 158, 190



153, 225, 165



112, 101, 105



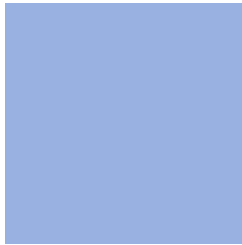
176, 0, 59



48, 0, 16

Previews

White Background



This preview shows how the RYB color 153, 171, 225 looks on a white background.

Color Contrast Check

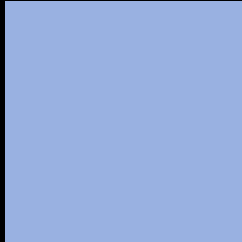
Large Text (above 18pt) WCAG AA × Fail

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, 171, 225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

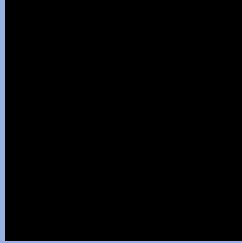
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

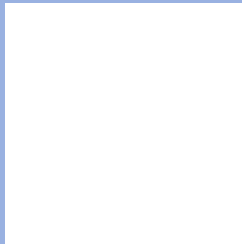
Any Text WCAG AAA ✓ Pass

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

RYB 153, 171, 225 Background



This preview shows how black text looks on a background with the RYB color 153, 171, 225.



This preview shows how white text looks on a background with the RYB color 153, 171, 225.

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, 171, 225

Protanopia
164, 173, 223

Deuteranopia
167, 172, 226



Tritanopia
147, 168, 197

Trichromacy



Original Color
153, 171, 225

Protanomaly
160, 172, 224

Deuteranomaly
162, 172, 226

Tritanomaly
149, 169, 207

Monochromacy



Original Color
153, 171, 225

Achromatopsia
175, 175, 175

Achromatomaly
167, 174, 193

CSS Examples

Text

The CSS property to change the color of the text to RYB 153, 171, 225 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, 225)` looks like.

```
.text, #text, p{  
    color:rgb(153, 177, 225)  
}
```

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, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 177, 225) }
```

Border

The CSS property to change the border of an element to RYB 153, 171, 225 is called "border". The border property can be set on classes, ids or directly on the HTML element.

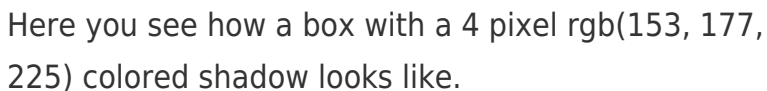
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 177, 225) }
```

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

```
.border{ border-color:rgb(153, 177, 225) }
```

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, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 177, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 177, 225); box-shadow:4px 4px 4px 4px rgb(153, 177, 225) }
```

Background

The CSS property to change the background color of an element to RYB 153, 171, 225 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, 225) }
```

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

```
.background{ background-color: rgb(153,  
177, 225) }
```

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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