

Converting Colors

`RYB(151, 151, 153)`

Have a look what the booklet for
RYB(151, 151, 153) contains.

RYB(151, 151, 153)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

R_YB(151, 151, 153)

Conversions

Conversions Part 1

Format	Color
Hex	979799
RGB	151, 151, 153
RGB Percent	59%, 59%, 60%
CMY	0.4078, 0.4078, 0.4000
CMYK	0.01, 0.01, 0.00, 0.40
HSL	240°, 1%, 60%
HSV	240°, 1%, 60%
XYZ	29.5789, 31.0124, 34.5640
YIQ	151.2280, -0.6420, 0.6220

Conversions

Conversions Part 2

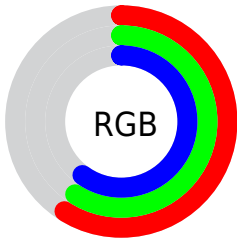
Format	Color
R_{YB}	151, 151, 153
Decimal	9934745
CIE Lab	62.52, 0.39, -1.06
CIE LCh	63, 1.127, 290.347
Yxy	31.0124, 0.3108, 0.3259
Android (android.graphics.Color)	4288124825 (0xFF979799)
YUV	151.2280, 0.8736, -0.2000
Hunter-Lab	55.6888, -2.6459, 2.1830

Details

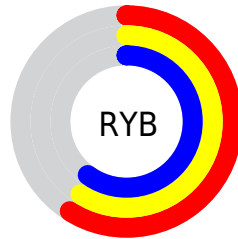
The RYB color **151, 151, 153** is a light color, and the websafe version is hex **999999**. A complement of this color would be **151, 153, 151**, and the grayscale version is **151, 151, 151**.

A 20% lighter version of the original color is **205, 205, 207**, and **100, 100, 102** is the 20% darker color. If you saturate the color by 10%, you get **136, 136, 153**, and if you desaturate by 10%, it is **153, 166, 153**.

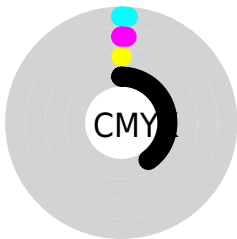
Distribution



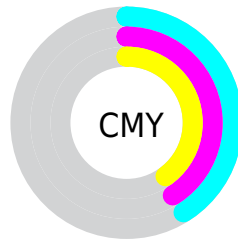
- Red (59%)
- Green (59%)
- Blue (60%)



- Red (59%)
- Yellow (59%)
- Blue (60%)



- Cyan (1%)
- Magenta (1%)
- Yellow (0%)
- Black (40%)




- Cyan (41%)
- Magenta (41%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the RYB color 151, 151, 153 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 151, 151, 153 by changing the saturation by 10% instead.

 151, 151, 153


255, 255, 255


 205, 205, 207

 233, 233, 235

 151, 151, 153

 125, 125, 127

 100, 100, 102


 76, 76, 78

 54, 54, 55


 32, 32, 34

 9, 9, 12

 0, 0, 0

 151, 151, 153

 136, 136, 153

 151, 151, 153

 153, 166, 153

■ 120, 120, 153

■ 153, 182, 153

■ 105, 105, 153

■ 153, 197, 153

■ 90, 90, 153

■ 153, 212, 153

■ 75, 75, 153

■ 153, 228, 153

■ 59, 59, 153

■ 153, 243, 153

■ 44, 44, 153

■ 153, 255, 153

■ 29, 29, 153

■ 13, 13, 153

Harmonies

Analogous

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



150, 151, 153



151, 151, 153



152, 151, 152

Triad

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



151, 151, 153



153, 152, 150



149, 151, 152

Complementary

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



151, 151, 153



151, 153, 151

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.



150, 152, 152



151, 151, 153



151, 152, 149

Square

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



151, 151, 153



153, 152, 150



149, 151, 149



149, 151, 152

Rectangle

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



151, 151, 153



153, 151, 152



149, 151, 149



149, 151, 152

Sweetspot

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



151, 151, 153



199, 199, 199



151, 152, 153



99, 99, 99



227, 227, 227

Same Dimension

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



151, 151, 153



195, 195, 199



152, 151, 153



75, 75, 77



0, 0, 140



0, 0, 13

Inverse Universe

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



153, 151, 153



199, 195, 199



151, 153, 152



77, 75, 77



140, 0, 140



13, 0, 13

Previews

White Background



This preview shows how the RYB color 151, 151, 153 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 151, 151, 153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

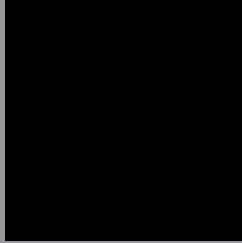
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

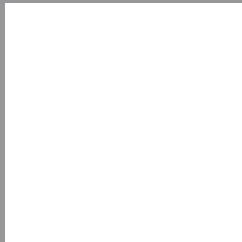
Any Text WCAG AAA ✓ Pass

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

RYB 151, 151, 153 Background



This preview shows how black text looks on a background with the RYB color 151, 151, 153.



This preview shows how white text looks on a background with the RYB color 151, 151, 153.

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

151, 151, 153

Protanopia

153, 150, 153

Deuteranopia

164, 146, 154



Tritanopia
152, 150, 161

Trichromacy



Original Color

151, 151, 153

Protanomaly

152, 150, 153

Deuteranomaly

159, 148, 154

Tritanomaly

152, 150, 158

Monochromacy



Original Color

151, 151, 153

Achromatopsia

151, 151, 151

Achromatomaly

151, 151, 152

CSS Examples

Text

The CSS property to change the color of the text to RYB 151, 151, 153 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(151, 151, 153)` looks like.

```
.text, #text, p{  
    color:rgb(151, 151, 153)  
}
```

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(151, 151, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 151, 153) }
```

Border

The CSS property to change the border of an element to RYB 151, 151, 153 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(151, 151, 153) }
```

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

```
.border{ border-color:rgb(151, 151, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 151, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 151, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 151, 153);  
box-shadow:4px 4px 4px 4px rgb(151, 151,  
153) }
```

Background

The CSS property to change the background color of an element to RYB 151, 151, 153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 151, 153) }
```

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

```
.background{ background-color: rgb(151,  
151, 153) }
```

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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