

Converting Colors

`RYB(151, 150, 200)`

Have a look what the booklet for
RYB(151, 150, 200) contains.

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Color

R_YB(151, 150, 200)

Conversions

Conversions Part 1

Format	Color
Hex	9796C8
RGB	151, 150, 200
RGB Percent	59%, 59%, 78%
CMY	0.4078, 0.4118, 0.2157
CMYK	0.24, 0.25, 0.00, 0.22
HSL	241°, 31%, 69%
HSV	241°, 25%, 78%
XYZ	34.0942, 32.5621, 59.1317
YIQ	155.9990, -15.4540, 15.7620

Conversions

Conversions Part 2

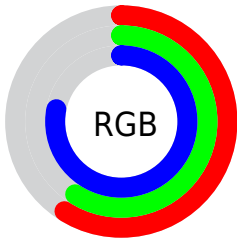
Format	Color
R_{YB}	151, 150, 200
Decimal	9934536
CIE _{Lab}	63.80, 11.28, -25.58
CIE _{LCh}	64, 27.955, 293.792
Yxy	32.5621, 0.2710, 0.2589
Android (android.graphics.Color)	4288124616 (0xFF9796C8)
YUV	155.9990, 21.6925, -4.3841
Hunter-Lab	57.0632, 6.7896, -21.4950

Details

The RYB color **151, 150, 200** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **150, 200, 151**, and the grayscale version is **156, 156, 156**.

A 20% lighter version of the original color is **206, 204, 255**, and **99, 99, 146** is the 20% darker color. If you saturate the color by 10%, you get **131, 130, 200**, and if you desaturate by 10%, it is **171, 170, 200**.

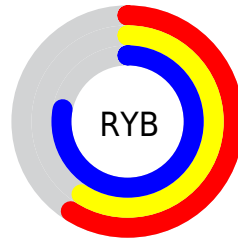
Distribution



Red (59%)

Green (59%)

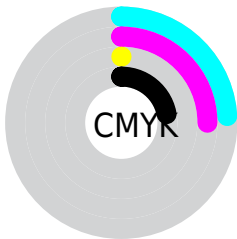
Blue (78%)



Red (59%)

Yellow (59%)

Blue (78%)

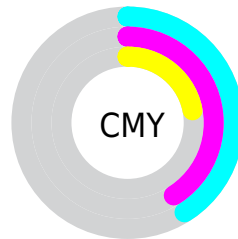


Cyan (24%)

Magenta (25%)

Yellow (0%)

Black (22%)



Cyan (41%)

Magenta (41%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RYB color 151, 150, 200 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, 150, 200 by changing the saturation by 10% instead.

■ 151, 150, 200

■ 151, 150, 200

255, 255, 255

■ 125, 124, 173

■ 206, 204, 255

■ 99, 99, 146

■ 234, 232, 255

■ 74, 75, 120

■ 50, 53, 95

■ 26, 31, 71

■ 3, 8, 49

■ 0, 1, 27

■ 0, 0, 0

■ 151, 150, 200

■ 151, 150, 200

■ 131, 130, 200

■ 171, 170, 200

■ 112, 110, 200

■ 190, 190, 200

■ 92, 90, 200

■ 200, 210, 200

■ 73, 70, 200

■ 200, 230, 201

■ 53, 50, 200

■ 200, 250, 201

■ 33, 30, 200

■ 200, 255, 200

■ 14, 10, 200

■ 4, 0, 200

Harmonies

Analogous

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



114, 144, 204



151, 150, 200



181, 142, 184

Triad

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



151, 150, 200



196, 158, 115



94, 137, 168

Complementary

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



151, 150, 200



150, 200, 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.



123, 164, 165



151, 150, 200



146, 177, 105

Square

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



151, 150, 200



204, 137, 136



108, 159, 116



75, 123, 174

Rectangle

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



151, 150, 200



195, 138, 169



108, 159, 116



104, 144, 167

Sweetspot

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



151, 150, 200



235, 235, 255



150, 175, 200



115, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



151, 150, 200



180, 179, 255



176, 150, 200



90, 90, 99



3, 0, 163



1, 0, 36

Inverse Universe

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



200, 150, 199



255, 179, 253



150, 200, 176



99, 90, 99



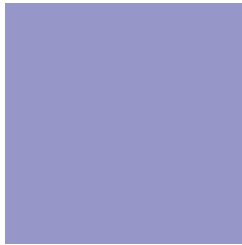
163, 0, 160



36, 0, 35

Previews

White Background



This preview shows how the RYB color 151, 150, 200 looks on a white background.

Color Contrast Check

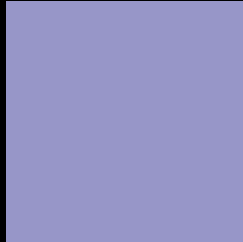
Large Text (above 18pt) WCAG AA × Fail

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, 150, 200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

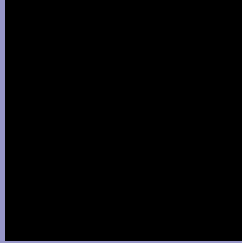
Any Text WCAG AA ✓ Pass

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, 150, 200 Background



This preview shows how black text looks on a background with the RYB color 151, 150, 200.



This preview shows how white text looks on a background with the RYB color 151, 150, 200.

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](#).

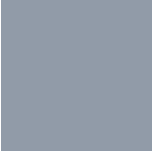
Dichromacy



Original Color
151, 150, 200

Protanopia
141, 151, 202

Deuteranopia
145, 151, 200



Tritanopia
145, 152, 168

Trichromacy



Original Color

151, 150, 200

Protanomaly

145, 151, 201

Deuteranomaly

147, 151, 200

Tritanomaly

147, 153, 180

Monochromacy



Original Color

151, 150, 200

Achromatopsia

156, 156, 156

Achromatomaly

154, 154, 172

CSS Examples

Text

The CSS property to change the color of the text to RYB 151, 150, 200 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, 150, 200)` looks like.

```
.text, #text, p{  
    color:rgb(151, 150, 200)  
}
```

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, 150, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 150, 200) }
```

Border

The CSS property to change the border of an element to RYB 151, 150, 200 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, 150, 200) }
```

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

```
.border{ border-color:rgb(151, 150, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 150, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 150, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 150, 200);  
box-shadow:4px 4px 4px 4px rgb(151, 150,  
200) }
```

Background

The CSS property to change the background color of an element to RYB 151, 150, 200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 150, 200) }
```

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

```
.background{ background-color: rgb(151,  
150, 200) }
```

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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