

Converting Colors

`RYB(163, 151, 155)`

Have a look what the booklet for
RYB(163, 151, 155) contains.

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Color

R_YB(163, 151, 155)

Conversions

Conversions Part 1

Format	Color
Hex	A3979B
RGB	163, 151, 155
RGB Percent	64%, 59%, 61%
CMY	0.3608, 0.4078, 0.3922
CMYK	0.00, 0.07, 0.05, 0.36
HSL	340°, 6%, 62%
HSV	340°, 7%, 64%
XYZ	32.0873, 32.2863, 35.5510
YIQ	155.0440, 5.8680, 3.7880

Conversions

Conversions Part 2

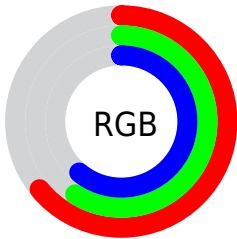
Format	Color
RYB	163, 151, 155
Decimal	10721179
CIELab	63.58, 5.14, -0.51
CIELCh	64, 5.165, 354.286
Yxy	32.2863, 0.3211, 0.3231
Android (android.graphics.Color)	4288911259 (0xFFA3979B)
YUV	155.0440, -0.0217, 6.9774
Hunter-Lab	56.8210, 1.3634, 2.6789

Details

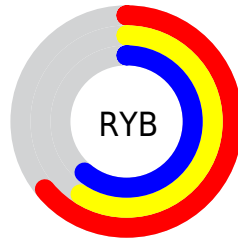
The RYB color **163, 151, 155** is a light color, and the websafe version is hex **999999**. A complement of this color would be **151, 158, 163**, and the grayscale version is **155, 155, 155**.

A 20% lighter version of the original color is **218, 205, 209**, and **111, 100, 104** is the 20% darker color. If you saturate the color by 10%, you get **163, 135, 144**, and if you desaturate by 10%, it is **163, 165, 167**.

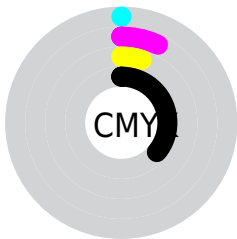
Distribution



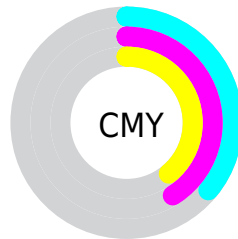
- Red (64%)
- Green (59%)
- Blue (61%)



- Red (64%)
- Yellow (59%)
- Blue (61%)



- Cyan (0%)
- Magenta (7%)
- Yellow (5%)
- Black (36%)



- Cyan (36%)
- Magenta (41%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the RYB color 163, 151, 155 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 163, 151, 155 by changing the saturation by 10% instead.


 163, 151, 155

255, 255, 255

 218, 205, 209

 246, 233, 238

 163, 151, 155

 137, 125, 129

 111, 100, 104

 87, 76, 80

 64, 54, 57

 42, 32, 36

 22, 9, 14

 0, 0, 0

 163, 151, 155

 163, 135, 144

 163, 151, 155


 163, 165, 167

 163, 118, 133


 163, 176, 184

 163, 102, 122

 163, 185, 200

 163, 86, 112

 163, 195, 216

 163, 70, 101

 163, 204, 232

 163, 53, 90

 163, 215, 249

 163, 37, 79

 163, 216, 255

 163, 21, 68

 163, 212, 255

 163, 4, 57

 163, 210, 255

Harmonies

Analogous

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



159, 152, 159



163, 151, 155



164, 151, 150

Triad

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



163, 151, 155



146, 155, 147



144, 151, 161

Complementary

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



163, 151, 155



151, 158, 163

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.



143, 150, 158



163, 151, 155



148, 156, 156

Square

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



163, 151, 155



156, 159, 145



144, 152, 157



148, 153, 163

Rectangle

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



163, 151, 155



164, 153, 148



144, 152, 157



144, 151, 160

Sweetspot

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



163, 151, 155



212, 207, 209



159, 151, 163



107, 105, 106



235, 235, 235



107, 107, 107

Same Dimension

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



163, 151, 155



212, 193, 199



163, 153, 151



82, 73, 76



145, 0, 48



18, 0, 6

Inverse Universe

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



163, 151, 155



212, 193, 199



151, 156, 163



82, 73, 76



145, 0, 48



18, 0, 6

Previews

White Background



This preview shows how the RYB color 163, 151, 155 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 163, 151, 155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

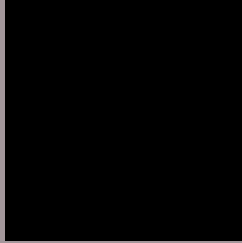
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

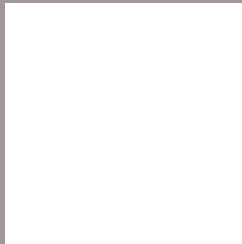
Any Text WCAG AAA ✓ Pass

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

RYB 163, 151, 155 Background



This preview shows how black text looks on a background with the RYB color 163, 151, 155.



This preview shows how white text looks on a background with the RYB color 163, 151, 155.

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
163, 151, 155

Protanopia
156, 153, 156

Deuteranopia
168, 149, 155



Tritanopia
164, 150, 162

Trichromacy



Original Color

163, 151, 155

Protanomaly

159, 152, 156

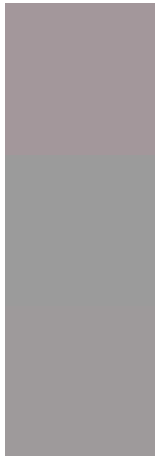
Deuteranomaly

166, 150, 155

Tritanomaly

164, 150, 159

Monochromacy



Original Color

163, 151, 155

Achromatopsia

155, 155, 155

Achromatomaly

158, 154, 155

CSS Examples

Text

The CSS property to change the color of the text to RYB 163, 151, 155 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(163, 151, 155)` looks like.

```
.text, #text, p{  
    color:rgb(163, 151, 155)  
}
```

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(163, 151, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 151, 155) }
```

Border

The CSS property to change the border of an element to RYB 163, 151, 155 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(163, 151, 155) }
```

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

```
.border{ border-color:rgb(163, 151, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 151, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 151, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 151, 155);  
box-shadow:4px 4px 4px 4px rgb(163, 151,  
155) }
```

Background

The CSS property to change the background color of an element to RYB 163, 151, 155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 151, 155) }
```

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

```
.background{ background-color: rgb(163,  
151, 155) }
```

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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