

Converting Colors

`RYB(163, 150, 176)`

Have a look what the booklet for RYB(163, 150, 176) contains.

RYB(163, 150, 176)	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

$\text{RYB}(163, 150, 176)$

Conversions

Conversions Part 1

Format	Color
Hex	A396B0
RGB	163, 150, 176
RGB Percent	64%, 59%, 69%
CMY	0.3608, 0.4118, 0.3098
CMYK	0.07, 0.15, 0.00, 0.31
HSL	270°, 14%, 64%
HSV	270°, 15%, 69%
XYZ	33.8471, 32.7338, 45.6086
YIQ	156.8510, -0.5980, 10.8420

Conversions

Conversions Part 2

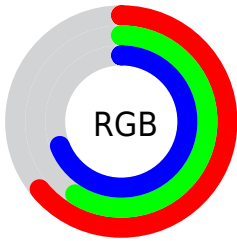
Format	Color
RYB	163, 150, 176
Decimal	10720944
CIELab	63.94, 9.81, -11.81
CIELCh	64, 15.354, 309.730
Yxy	32.7338, 0.3017, 0.2918
Android (android.graphics.Color)	4288911024 (0xFFA396B0)
YUV	156.8510, 9.4405, 5.3927
Hunter-Lab	57.2135, 5.4757, -7.2145

Details

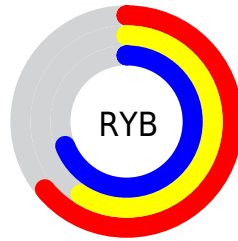
The RYB color **163, 150, 176** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **150, 176, 163**, and the grayscale version is **157, 157, 157**.

A 20% lighter version of the original color is **218, 204, 232**, and **111, 99, 123** is the 20% darker color. If you saturate the color by 10%, you get **154, 132, 176**, and if you desaturate by 10%, it is **172, 168, 176**.

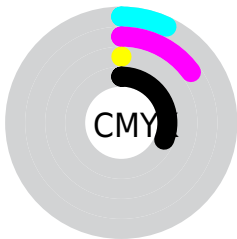
Distribution



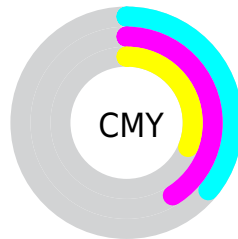
- Red (64%)
- Green (59%)
- Blue (69%)



- Red (64%)
- Yellow (59%)
- Blue (69%)



- Cyan (7%)
- Magenta (15%)
- Yellow (0%)
- Black (31%)



- Cyan (36%)
- Magenta (41%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 163, 150, 176 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, 150, 176 by changing the saturation by 10% instead.


 163, 150, 176


255, 255, 255

 218, 204, 232

 247, 232, 255


 163, 150, 176

 137, 124, 149

 111, 99, 123

 87, 75, 99

 63, 53, 75

 41, 31, 52

 22, 8, 31

 0, 0, 3

 0, 0, 0

 163, 150, 176

 163, 150, 176

■ 154, 132, 176

■ 172, 168, 176

■ 145, 115, 176

■ 176, 185, 180

■ 137, 97, 176

■ 176, 203, 190

■ 128, 80, 176

■ 176, 220, 198

■ 119, 62, 176

■ 176, 238, 207

■ 110, 44, 176

■ 176, 255, 215

■ 101, 27, 176

■ 176, 255, 206

■ 93, 9, 176

■ 176, 255, 198

■ 88, 0, 176

■ 176, 255, 189

Harmonies

Analogous

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



145, 153, 182



163, 150, 176



177, 147, 165

Triad

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



163, 150, 176



174, 170, 130



121, 143, 163

Complementary

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



163, 150, 176



150, 176, 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.



131, 152, 162



163, 150, 176



135, 161, 128

Square

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



163, 150, 176



182, 149, 138



134, 159, 147



120, 143, 172

Rectangle

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



163, 150, 176



182, 145, 156



134, 159, 147



123, 146, 163

Sweetspot

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



163, 150, 176



225, 220, 230



150, 159, 176



112, 109, 115



242, 242, 242



115, 115, 115

Same Dimension

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



163, 150, 176



209, 188, 230



176, 150, 176



85, 80, 89



76, 0, 153



13, 0, 26

Inverse Universe

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



176, 150, 163



230, 188, 209



150, 176, 176



89, 80, 85



153, 0, 77



26, 0, 13

Previews

White Background



This preview shows how the RYB color 163, 150, 176 looks on a white background.

Color Contrast Check

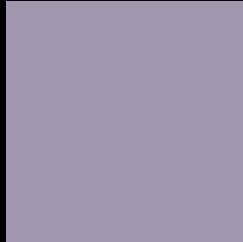
Large Text (above 18pt) WCAG AA × Fail

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, 150, 176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

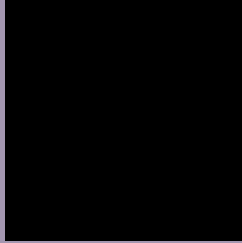
Any Text WCAG AA ✓ Pass

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, 150, 176 Background



This preview shows how black text looks on a background with the RYB color 163, 150, 176.



This preview shows how white text looks on a background with the RYB color 163, 150, 176.

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, 150, 176

Protanopia
151, 154, 178

Deuteranopia
160, 151, 176



Tritanopia
161, 152, 164

Trichromacy



Original Color

163, 150, 176

Protanomaly

155, 153, 177

Deuteranomaly

161, 151, 176

Tritanomaly

162, 151, 168

Monochromacy



Original Color

163, 150, 176

Achromatopsia

157, 157, 157

Achromatomaly

159, 154, 164

CSS Examples

Text

The CSS property to change the color of the text to RYB 163, 150, 176 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, 150, 176) looks like.

```
.text, #text, p{  
    color:rgb(163, 150, 176)  
}
```

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, 150, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 150, 176) }
```

Border

The CSS property to change the border of an element to RYB 163, 150, 176 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, 150, 176) }
```

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

```
.border{ border-color:rgb(163, 150, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 150, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 150, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 150, 176);  
box-shadow:4px 4px 4px 4px rgb(163, 150,  
176) }
```

Background

The CSS property to change the background color of an element to RYB 163, 150, 176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 150, 176) }
```

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

```
.background{ background-color: rgb(163,  
150, 176) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor