

Converting Colors

`RYB(180, 151, 190)`

Have a look what the booklet for RYB(180, 151, 190) contains.

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Color

R_YB(180, 151, 190)

Conversions

Conversions Part 1

Format	Color
Hex	B497BE
RGB	180, 151, 190
RGB Percent	71%, 59%, 75%
CMY	0.2941, 0.4078, 0.2549
CMYK	0.05, 0.21, 0.00, 0.25
HSL	285°, 23%, 67%
HSV	285°, 21%, 75%
XYZ	39.1833, 35.5542, 53.5127
YIQ	164.1170, 4.7650, 18.2770

Conversions

Conversions Part 2

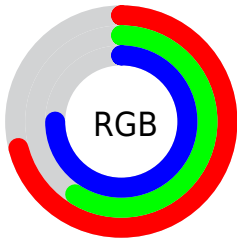
Format	Color
RYB	180, 151, 190
Decimal	11835326
CIELab	66.18, 17.91, -16.15
CIElCh	66, 24.115, 317.967
Yxy	35.5542, 0.3055, 0.2772
Android (android.graphics.Color)	4290025406 (0xFFB497BE)
YUV	164.1170, 12.7603, 13.9294
Hunter-Lab	59.6274, 12.9508, -11.4707

Details

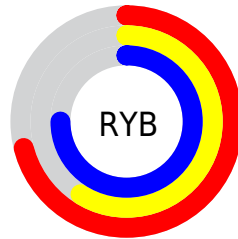
The RYB color **180, 151, 190** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **151, 190, 180**, and the grayscale version is **164, 164, 164**.

A 20% lighter version of the original color is **236, 205, 246**, and **127, 100, 137** is the 20% darker color. If you saturate the color by 10%, you get **175, 132, 190**, and if you desaturate by 10%, it is **185, 170, 190**.

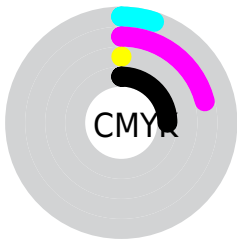
Distribution



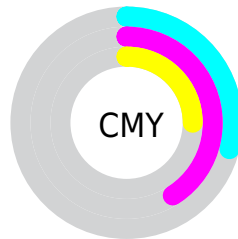
- Red (71%)
- Green (59%)
- Blue (75%)



- Red (71%)
- Yellow (59%)
- Blue (75%)



- Cyan (5%)
- Magenta (21%)
- Yellow (0%)
- Black (25%)



- Cyan (29%)
- Magenta (41%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the RYB color 180, 151, 190 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 180, 151, 190 by changing the saturation by 10% instead.

■ 180, 151, 190

255, 255, 255

■ 236, 205, 246

■ 255, 234, 255

■ 180, 151, 190

■ 153, 125, 163

■ 127, 100, 137

■ 102, 76, 111

■ 77, 53, 87

■ 54, 31, 63

■ 32, 10, 41

■ 0, 0, 20


■ 0, 0, 0


■ 180, 151, 190

■ 180, 151, 190

 175, 132, 190


 185, 170, 190


 170, 113, 190


 190, 189, 190

 165, 94, 190


 190, 208, 203

 161, 75, 190


 190, 227, 218

 156, 56, 190

 190, 246, 232

 151, 37, 190

 190, 255, 236

 146, 18, 190

 190, 255, 231

 141, 0, 190

 190, 255, 226

 190, 255, 221

Harmonies

Analogous

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



152, 157, 202



180, 151, 190



198, 146, 171

Triad

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



180, 151, 190



171, 185, 119



99, 136, 173

Complementary

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



180, 151, 190



151, 190, 180

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.



115, 150, 172



180, 151, 190



119, 164, 120

Square

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



180, 151, 190



200, 158, 130



131, 169, 161



101, 141, 192

Rectangle

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



180, 151, 190



204, 145, 156



131, 169, 161



103, 140, 173

Sweetspot

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



180, 151, 190



244, 233, 247



151, 159, 190



123, 116, 125



252, 252, 252



125, 125, 125

Same Dimension

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



180, 151, 190



231, 186, 247



190, 151, 181



92, 85, 94



118, 0, 158



23, 0, 31

Inverse Universe

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



190, 151, 161



247, 186, 201



151, 183, 190



94, 85, 87



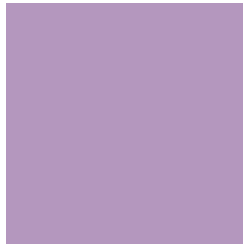
158, 0, 41



31, 0, 8

Previews

White Background



This preview shows how the RYB color 180, 151, 190 looks on a white background.

Color Contrast Check

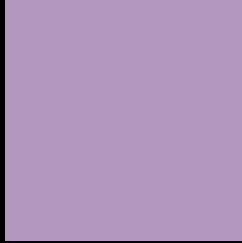
Large Text (above 18pt) WCAG AA × Fail

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 180, 151, 190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

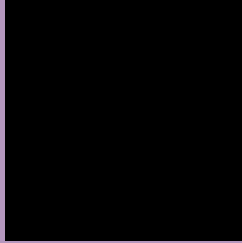
Any Text WCAG AA ✓ Pass

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 180, 151, 190 Background



This preview shows how black text looks on a background with the RYB color 180, 151, 190.

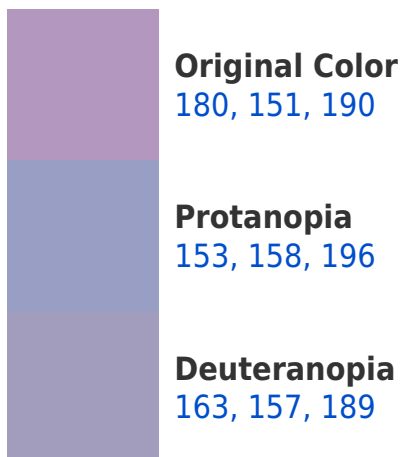


This preview shows how white text looks on a background with the RYB color 180, 151, 190.

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





Tritanopia
177, 155, 167

Trichromacy



Original Color
180, 151, 190

Protanomaly
163, 156, 194

Deuteranomaly
169, 155, 189

Tritanomaly
178, 154, 175

Monochromacy



Original Color
180, 151, 190

Achromatopsia
164, 164, 164

Achromatomaly
170, 159, 173

CSS Examples

Text

The CSS property to change the color of the text to RYB 180, 151, 190 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(180, 151, 190)` looks like.

```
.text, #text, p{  
    color:rgb(180, 151, 190)  
}
```

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(180, 151, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 151, 190) }
```

Border

The CSS property to change the border of an element to RYB 180, 151, 190 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(180, 151, 190) }
```

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

```
.border{ border-color:rgb(180, 151, 190) }
```

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

Here you see how a box with a 4 pixel rgb(180, 151, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 151, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 151, 190);  
box-shadow:4px 4px 4px 4px rgb(180, 151,  
190) }
```

Background

The CSS property to change the background color of an element to RYB 180, 151, 190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 151, 190) }
```

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

```
.background{ background-color: rgb(180,  
151, 190) }
```

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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