

Converting Colors

`RYB(181, 99, 210)`

Have a look what the booklet for RYB(181, 99, 210) contains.

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Color

RYB(181, 99, 210)

Conversions

Conversions Part 1

Format	Color
Hex	B563D2
RGB	181, 99, 210
RGB Percent	71%, 39%, 82%
CMY	0.2902, 0.6118, 0.1765
CMYK	0.14, 0.53, 0.00, 0.18
HSL	284°, 55%, 61%
HSV	284°, 53%, 82%
XYZ	35.1508, 23.4006, 63.6369
YIQ	136.1720, 13.2410, 51.9050

Conversions

Conversions Part 2

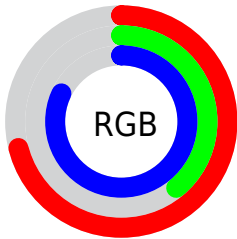
Format	Color
R_{YB}	181, 99, 210
Decimal	11887570
CIE _{Lab}	55.48, 50.78, -43.97
CIE _{LCh}	55, 67.173, 319.111
Yxy	23.4006, 0.2877, 0.1915
Android (android.graphics.Color)	4290077650 (0xFFB563D2)
YUV	136.1720, 36.3972, 39.3142
Hunter-Lab	48.3741, 45.0511, -44.1349

Details

The RYB color **181, 99, 210** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **99, 210, 181**, and the grayscale version is **136, 136, 136**.

A 20% lighter version of the original color is **239, 153, 255**, and **125, 46, 155** is the 20% darker color. If you saturate the color by 10%, you get **176, 78, 210**, and if you desaturate by 10%, it is **186, 120, 210**.

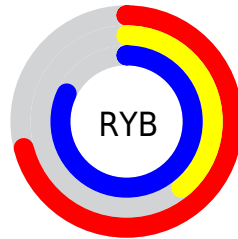
Distribution



Red (71%)

Green (39%)

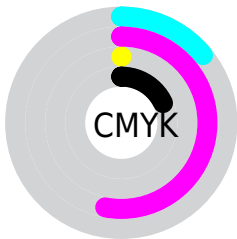
Blue (82%)



Red (71%)

Yellow (39%)

Blue (82%)

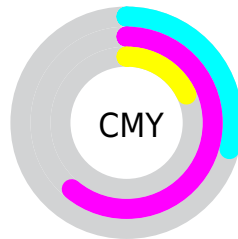


Cyan (14%)

Magenta (53%)

Yellow (0%)

Black (18%)



Cyan (29%)

















Magenta (61%)


Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the RYB color 181, 99, 210 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 181, 99, 210 by changing the saturation by 10% instead.


 181, 99, 210	 181, 99, 210
 255, 255, 255	 153, 73, 182
 239, 153, 255	 125, 46, 155
 255, 180, 255	 98, 16, 128
 255, 209, 255	 72, 0, 103
 255, 237, 255	 46, 0, 78
	 20, 0, 55
	 0, 2, 32
	 0, 0, 4
	 0, 0, 0

 181, 99, 210


 181, 99, 210


 176, 78, 210

 186, 120, 210


 170, 57, 210

 192, 141, 210

 165, 36, 210

 197, 162, 210

 159, 15, 210

 203, 183, 210

 155, 0, 210

 208, 204, 210

 210, 225, 221

 210, 246, 237

 210, 255, 240

 210, 255, 235

Harmonies

Analogous

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



82, 117, 244



181, 99, 210



226, 73, 157

Triad

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



181, 99, 210



78, 177, 0



0, 82, 169

Complementary

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



181, 99, 210



99, 210, 181

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.



0, 93, 158



181, 99, 210



0, 141, 17

Square

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



181, 99, 210



216, 121, 44



45, 148, 152



0, 91, 220

Rectangle

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



181, 99, 210



236, 69, 118



45, 148, 152



0, 82, 159

Sweetspot

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



181, 99, 210



244, 214, 255



99, 123, 210



121, 103, 128



0, 0, 0



128, 128, 128

Same Dimension

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



181, 99, 210



213, 94, 255



210, 99, 184



102, 94, 105



124, 0, 168



30, 0, 41

Inverse Universe

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



210, 99, 128



255, 94, 136



99, 189, 210



105, 94, 97



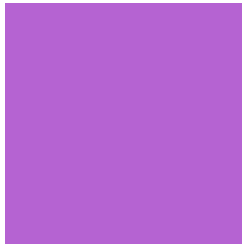
168, 0, 44



41, 0, 11

Previews

White Background



This preview shows how the RYB color 181, 99, 210 looks on a white background.

Color Contrast Check

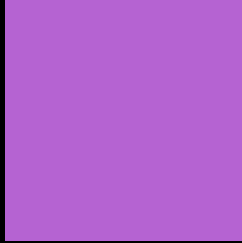
Large Text (above 18pt) WCAG AA ✓ Pass

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 181, 99, 210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

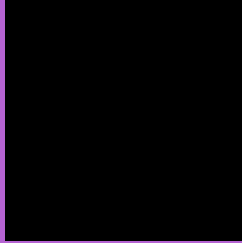
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

RYB 181, 99, 210 Background



This preview shows how black text looks on a background with the RYB color 181, 99, 210.

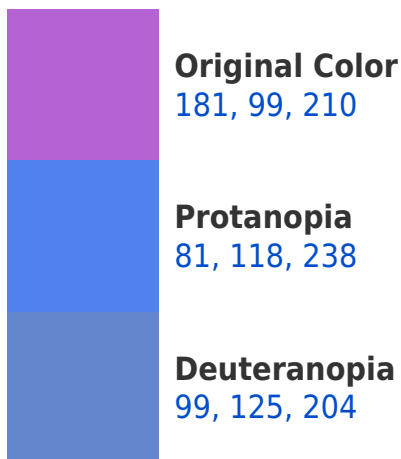



This preview shows how white text looks on a background with the RYB color 181, 99, 210.

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
169, 119, 129

Trichromacy



Original Color
181, 99, 210



Protanomaly
117, 119, 228



Deuteranomaly
129, 121, 206



Tritanomaly
173, 112, 158

Monochromacy



Original Color
181, 99, 210



Achromatopsia
136, 136, 136



Achromatomaly
152, 123, 163

CSS Examples

Text

The CSS property to change the color of the text to RYB 181, 99, 210 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(181, 99, 210)` looks like.

```
.text, #text, p{  
    color:rgb(181, 99, 210)  
}
```

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(181, 99, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 99, 210) }
```

Border

The CSS property to change the border of an element to RYB 181, 99, 210 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(181, 99, 210) }
```

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

```
.border{ border-color:rgb(181, 99, 210) }
```

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

Here you see how a box with a 4 pixel rgb(181, 99, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 99, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 99, 210);  
box-shadow:4px 4px 4px 4px rgb(181, 99,  
210) }
```

Background

The CSS property to change the background color of an element to RGB 181, 99, 210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 99, 210) }
```

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

```
.background{ background-color: rgb(181, 99,  
210) }
```

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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