

# Converting Colors

`RYB(181, 91, 154)`

Have a look what the booklet for  
RYB(181, 91, 154) contains.

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# Color

**R<sub>Y</sub>B(181, 91, 154)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B55B9A
RGB	181, 91, 154
RGB Percent	71%, 36%, 60%
CMY	0.2902, 0.6431, 0.3961
CMYK	0.00, 0.50, 0.15, 0.29
HSL	318°, 38%, 53%
HSV	318°, 50%, 71%
XYZ	28.6299, 19.6390, 32.8536
YIQ	125.0920, 33.4170, 38.6730

# Conversions

## Conversions Part 2

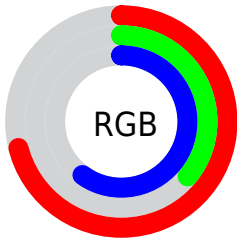
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	181, 91, 154
Decimal	11885466
CIE Lab	51.43, 44.54, -17.89
CIE LCh	51, 47.996, 338.114
Yxy	19.6390, 0.3529, 0.2421
Android (android.graphics.Color)	4290075546 (0xFFB55B9A)
YUV	125.0920, 14.2516, 49.0313
Hunter-Lab	44.3159, 37.7653, -12.9335

# Details

The RYB color **181, 91, 154** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **91, 160, 181**, and the grayscale version is **125, 125, 125**.

A 20% lighter version of the original color is **239, 144, 208**, and **126, 39, 103** is the 20% darker color. If you saturate the color by 10%, you get **181, 73, 149**, and if you desaturate by 10%, it is **181, 109, 159**.

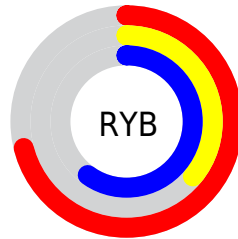
# Distribution



Red (71%)

Green (36%)

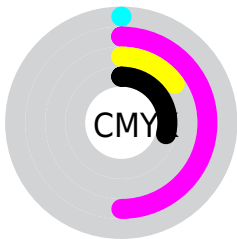
Blue (60%)



Red (71%)

Yellow (36%)

Blue (60%)

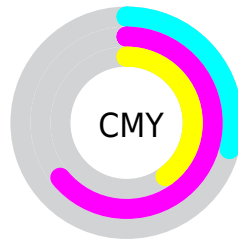


Cyan (0%)

Magenta (50%)

Yellow (15%)

Black (29%)



Cyan (29%)

Magenta (64%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the RYB color 181, 91, 154 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, 91, 154 by changing the saturation by 10% instead.



 181, 91, 154

 181, 91, 154

255, 255, 255

 153, 65, 128

 239, 144, 208

 126, 39, 103

 255, 171, 237

 99, 6, 79

 255, 199, 255


 73, 0, 56


 255, 228, 255


 50, 0, 34


 15, 0, 8


 0, 0, 0


 181, 91, 154


 181, 91, 154


 181, 73, 149


 181, 109, 159


 181, 55, 143


 181, 127, 165


 181, 37, 138


 181, 145, 170


 181, 19, 132


 181, 163, 176

 181, 1, 127


 181, 182, 182

 181, 0, 127

 181, 195, 200

 181, 210, 218

 181, 224, 236

 181, 237, 254

# Harmonies

## Analogous

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



139, 107, 187



181, 91, 154



198, 85, 113

# Triad

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



181, 91, 154



45, 134, 34



0, 77, 172

# Complementary

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



181, 91, 154



91, 160, 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, 74, 143



181, 91, 154



54, 134, 97

# Square

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



181, 91, 154



159, 169, 44



3, 87, 140



0, 80, 198

# Rectangle

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



181, 91, 154



196, 90, 86



3, 87, 140



0, 75, 160



# Sweetspot

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



181, 91, 154



235, 199, 224



118, 91, 181



117, 96, 111



245, 245, 245



117, 117, 117



# Same Dimension

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



181, 91, 154



235, 94, 192



181, 91, 109



89, 80, 87



153, 0, 107



26, 0, 18



# Inverse Universe

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



181, 91, 154



235, 94, 192



91, 141, 181



89, 80, 87



153, 0, 107

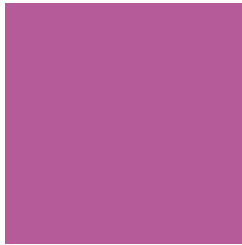


26, 0, 18



# Previews

## White Background



This preview shows how the RYB color 181, 91, 154 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, 91, 154 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

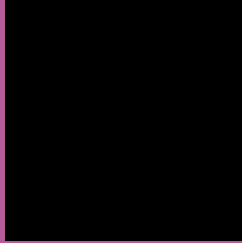
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## **RYB 181, 91, 154 Background**



This preview shows how black text looks on a background with the RYB color 181, 91, 154.

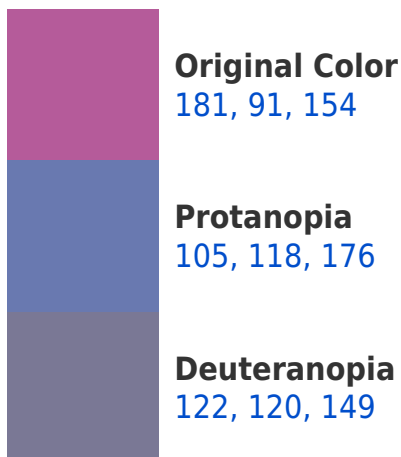



This preview shows how white text looks on a background with the RYB color 181, 91, 154.

# 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**  
176, 101, 108

# Trichromacy



**Original Color**

181, 91, 154



**Protanomaly**

133, 110, 168



**Deuteranomaly**

143, 109, 151



**Tritanomaly**

178, 97, 125

# Monochromacy



**Original Color**

181, 91, 154



**Achromatopsia**

125, 125, 125



**Achromatomaly**

145, 113, 136

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 181, 91, 154 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, 91, 154)` looks like.

```
.text, #text, p{  
    color:rgb(181, 91, 154)  
}
```

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, 91, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 91, 154) }
```

## Border

The CSS property to change the border of an element to RYB 181, 91, 154 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, 91, 154) }
```

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

```
.border{ border-color:rgb(181, 91, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 91, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 91, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 91, 154);  
box-shadow:4px 4px 4px 4px rgb(181, 91,  
154) }
```

# Background

The CSS property to change the background color of an element to RGB 181, 91, 154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 91, 154) }
```

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

```
.background{ background-color: rgb(181, 91,  
154) }
```

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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