

Converting Colors

`RYB(181, 72, 158)`

Have a look what the booklet for
RYB(181, 72, 158) contains.

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Color

R_YB(181, 72, 158)

Conversions

Conversions Part 1

Format	Color
Hex	B5489E
RGB	181, 72, 158
RGB Percent	71%, 28%, 62%
CMY	0.2902, 0.7176, 0.3804
CMYK	0.00, 0.60, 0.13, 0.29
HSL	313°, 43%, 50%
HSV	313°, 60%, 71%
XYZ	27.5450, 16.9271, 34.1632
YIQ	114.3950, 37.3580, 49.8540

Conversions

Conversions Part 2

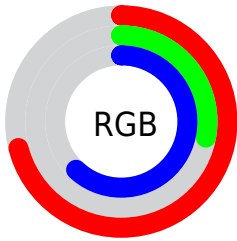
Format	Color
RYB	181, 72, 158
Decimal	11880606
CIELab	48.17, 54.29, -25.27
CIELCh	48, 59.886, 335.043
Yxy	16.9271, 0.3503, 0.2153
Android (android.graphics.Color)	4290070686 (0xFFB5489E)
YUV	114.3950, 21.4973, 58.4126
Hunter-Lab	41.1426, 47.5064, -20.4324

Details

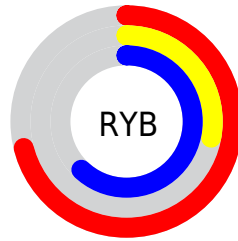
The RYB color **181, 72, 158** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **72, 162, 181**, and the grayscale version is **114, 114, 114**.

A 20% lighter version of the original color is **239, 126, 213**, and **125, 5, 106** is the 20% darker color. If you saturate the color by 10%, you get **181, 54, 154**, and if you desaturate by 10%, it is **181, 90, 162**.

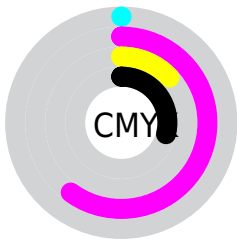
Distribution



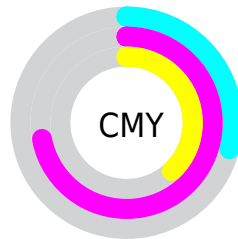
- Red (71%)
- Green (28%)
- Blue (62%)



- Red (71%)
- Yellow (28%)
- Blue (62%)



- Cyan (0%)
- Magenta (60%)
- Yellow (13%)
- Black (29%)




- Cyan (29%)
- Magenta (72%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 181, 72, 158 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, 72, 158 by changing the saturation by 10% instead.

 181, 72, 158

255, 255, 255


 239, 126, 213

 255, 154, 241

 255, 182, 255

 255, 211, 255


 255, 240, 255

 181, 72, 158

 153, 44, 132

 125, 5, 106


 98, 0, 82


 71, 0, 58

 48, 0, 37

 3, 0, 12


 0, 0, 0


 181, 72, 158


 181, 54, 154


 181, 72, 158


 181, 90, 162


 181, 36, 150


 181, 108, 166


 181, 18, 147


 181, 126, 169

 181, 0, 143

 181, 144, 173

 181, 163, 177

 181, 181, 181

 181, 196, 199

 181, 210, 217

 181, 226, 235

Harmonies

Analogous

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



125, 97, 198



181, 72, 158



203, 59, 108

Triad

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



181, 72, 158



17, 130, 0



0, 76, 171

Complementary

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



181, 72, 158



72, 162, 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, 72, 137



181, 72, 158



16, 128, 67

Square

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



181, 72, 158



149, 171, 9



0, 88, 134



0, 80, 206

Rectangle

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



181, 72, 158



202, 66, 75



0, 88, 134



0, 73, 156

Sweetspot

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



181, 72, 158



235, 192, 226



94, 72, 181



117, 91, 112



245, 245, 245



117, 117, 117

Same Dimension

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



181, 72, 158



235, 66, 199



181, 72, 105



89, 80, 87



153, 0, 121



26, 0, 20

Inverse Universe

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



181, 72, 158



235, 66, 199



72, 136, 181



89, 80, 87



153, 0, 121



26, 0, 20

Previews

White Background



This preview shows how the RYB color 181, 72, 158 looks on a white background.

Color Contrast Check

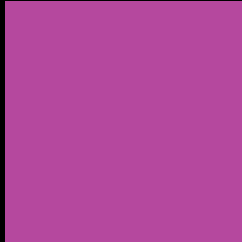
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 181, 72, 158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

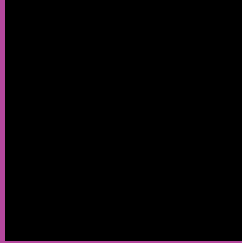
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

RYB 181, 72, 158 Background



This preview shows how black text looks on a background with the RYB color 181, 72, 158.

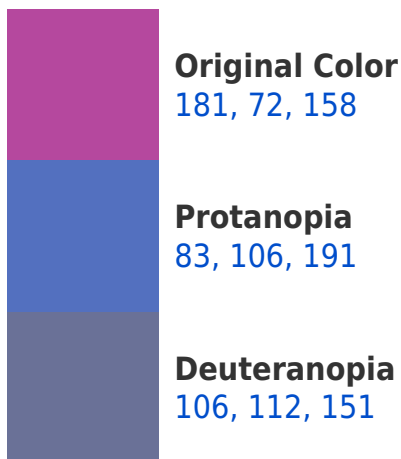


This preview shows how white text looks on a background with the RYB color 181, 72, 158.

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
174, 88, 95

Trichromacy



Original Color
181, 72, 158



Protanomaly
119, 97, 179



Deuteranomaly
133, 98, 154



Tritanomaly
177, 82, 118

Monochromacy



Original Color
181, 72, 158



Achromatopsia
114, 114, 114



Achromatomaly
138, 99, 130

CSS Examples

Text

The CSS property to change the color of the text to RYB 181, 72, 158 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, 72, 158)` looks like.

```
.text, #text, p{  
    color:rgb(181, 72, 158)  
}
```

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, 72, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 72, 158) }
```

Border

The CSS property to change the border of an element to RYB 181, 72, 158 is called "border". The border property can be set on classes, ids or directly on the HTML element.

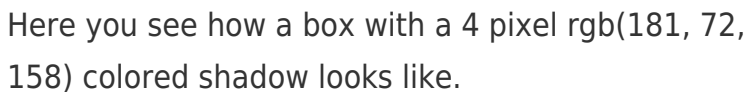
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 72, 158) }
```

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

```
.border{ border-color:rgb(181, 72, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(181, 72, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 72, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 72, 158); box-shadow:4px 4px 4px 4px rgb(181, 72, 158) }
```

Background

The CSS property to change the background color of an element to RYB 181, 72, 158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 72, 158) }
```

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

```
.background{ background-color: rgb(181, 72,  
158) }
```

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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