

Converting Colors

`RYB(180, 83, 249)`

Have a look what the booklet for RYB(180, 83, 249) contains.

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Color

R_YB(180, 83, 249)

Conversions

Conversions Part 1

Format	Color
Hex	B453F9
RGB	180, 83, 249
RGB Percent	71%, 33%, 98%
CMY	0.2941, 0.6745, 0.0235
CMYK	0.28, 0.67, 0.00, 0.02
HSL	275°, 93%, 65%
HSV	275°, 67%, 98%
XYZ	39.0145, 22.7294, 91.9534
YIQ	130.9270, 4.5260, 72.1900

Conversions

Conversions Part 2

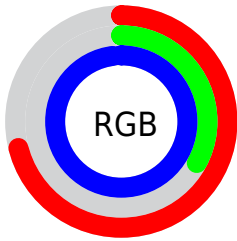
Format	Color
R _Y B	180, 83, 249
Decimal	11817977
CIE Lab	54.79, 66.45, -66.99
CIE LCh	55, 94.358, 314.769
Yxy	22.7294, 0.2538, 0.1479
Android (android.graphics.Color)	4290008057 (0xFFB453F9)
YUV	130.9270, 58.2100, 43.0370
Hunter-Lab	47.6753, 62.6415, -80.9824

Details

The RYB color **180, 83, 249** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **83, 249, 180**, and the grayscale version is **130, 130, 130**.

A 20% lighter version of the original color is **240, 138, 255**, and **122, 20, 191** is the 20% darker color. If you saturate the color by 10%, you get **170, 58, 249**, and if you desaturate by 10%, it is **190, 108, 249**.

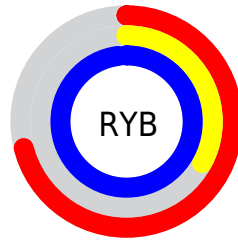
Distribution



Red (71%)

Green (33%)

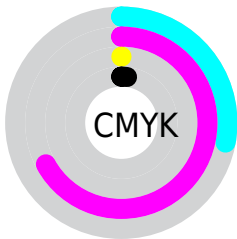
Blue (98%)



Red (71%)

Yellow (33%)

Blue (98%)

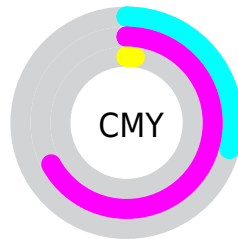


Cyan (28%)

Magenta (67%)

Yellow (0%)

Black (2%)



Cyan (29%)

Magenta (67%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 180, 83, 249 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, 83, 249 by changing the saturation by 10% instead.



180, 83, 249



180, 83, 249

255, 255, 255



151, 54, 220



240, 138, 255



122, 20, 191



255, 166, 255



92, 0, 164



255, 195, 255



62, 0, 137



255, 224, 255



28, 0, 110



255, 253, 255



0, 0, 85



0, 5, 61



0, 2, 38



0, 1, 15

■ 180, 83, 249

■ 180, 83, 249

■ 170, 58, 249

■ 190, 108, 249

■ 159, 33, 249

■ 201, 133, 249

■ 149, 8, 249

■ 211, 158, 249

■ 146, 0, 249

■ 221, 183, 249

■ 232, 208, 249

■ 242, 232, 249

■ 249, 255, 252

■ 249, 255, 249

Harmonies

Analogous

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



0, 86, 255



180, 83, 249



251, 0, 176

Triad

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



180, 83, 249



140, 193, 0



0, 84, 171

Complementary

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



180, 83, 249



83, 249, 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.



0, 106, 162



180, 83, 249



0, 140, 17

Square

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



180, 83, 249



244, 82, 1



0, 155, 155



0, 98, 246

Rectangle

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



180, 83, 249



255, 0, 122



0, 155, 155



0, 88, 164

Sweetspot

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



180, 83, 249



234, 204, 255



83, 132, 249



115, 97, 128



0, 0, 0



128, 128, 128

Same Dimension

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



180, 83, 249



170, 51, 255



249, 83, 235



120, 112, 125



110, 0, 189



36, 0, 61

Inverse Universe

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



249, 83, 152



255, 51, 136



83, 236, 249



125, 112, 118



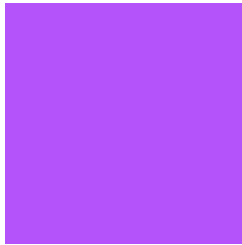
189, 0, 78



61, 0, 25

Previews

White Background



This preview shows how the RYB color 180, 83, 249 looks on a white background.

Color Contrast Check

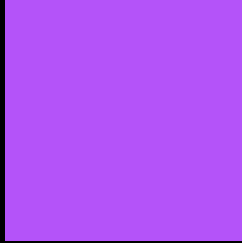
Large Text (above 18pt) WCAG AA ✓ Pass

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 180, 83, 249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

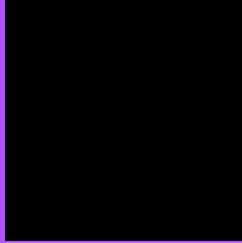
Any Text WCAG AA ✓ Pass

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](#).

RYP 180, 83, 249 Background



This preview shows how black text looks on a background with the RYP color 180, 83, 249.

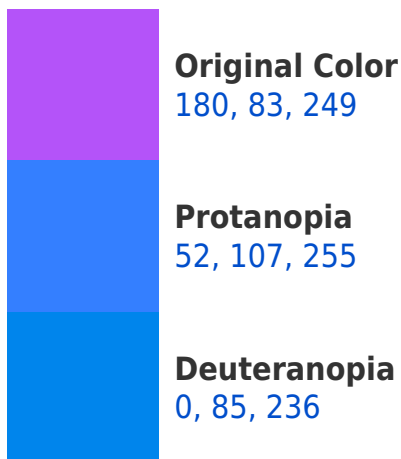


This preview shows how white text looks on a background with the RYP color 180, 83, 249.

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
159, 120, 130

Trichromacy



Original Color

180, 83, 249



Protanomaly

99, 110, 253



Deuteranomaly

65, 104, 241



Tritanomaly

167, 107, 173

Monochromacy



Original Color

180, 83, 249



Achromatopsia

131, 131, 131



Achromatomaly

149, 114, 174

CSS Examples

Text

The CSS property to change the color of the text to RYB 180, 83, 249 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, 83, 249)` looks like.

```
.text, #text, p{  
    color:rgb(180, 83, 249)  
}
```

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, 83, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 83, 249) }
```

Border

The CSS property to change the border of an element to RYB 180, 83, 249 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, 83, 249) }
```

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

```
.border{ border-color:rgb(180, 83, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 83, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 83, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 83, 249);  
box-shadow:4px 4px 4px 4px rgb(180, 83,  
249) }
```

Background

The CSS property to change the background color of an element to RGB 180, 83, 249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 83, 249) }
```

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

```
.background{ background-color: rgb(180, 83,  
249) }
```

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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