

Converting Colors

R_YB(81, 27, 175)

Have a look what the booklet for
RYB(81, 27, 175) contains.

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Color

R_YB(81, 27, 175)

Conversions

Conversions Part 1

Format	Color
Hex	511BAF
RGB	81, 27, 175
RGB Percent	32%, 11%, 69%
CMY	0.6824, 0.8941, 0.3137
CMYK	0.54, 0.85, 0.00, 0.31
HSL	262°, 73%, 40%
HSV	262°, 85%, 69%
XYZ	11.5231, 5.6283, 41.0365
YIQ	60.0180, -15.3240, 57.4760

Conversions

Conversions Part 2

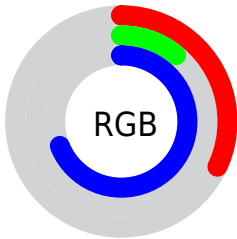
Format	Color
R _Y B	81, 27, 175
Decimal	5315503
CIE Lab	28.45, 55.85, -67.82
CIE LCh	28, 87.857, 309.471
Yxy	5.6283, 0.1980, 0.0967
Android (android.graphics.Color)	4283505583 (0xFF511BAF)
YUV	60.0180, 56.6861, 18.4012
Hunter-Lab	23.7241, 45.1827, -85.9492

Details

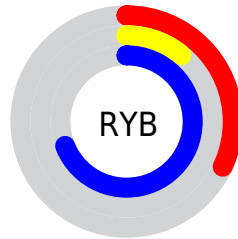
The RYB color **81, 27, 175** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **27, 175, 81**, and the grayscale version is **59, 59, 59**.

A 20% lighter version of the original color is **140, 80, 232**, and **0, 0, 121** is the 20% darker color. If you saturate the color by 10%, you get **70, 9, 175**, and if you desaturate by 10%, it is **92, 45, 175**.

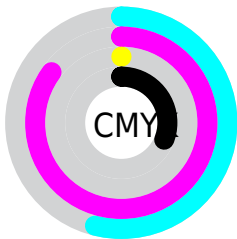
Distribution



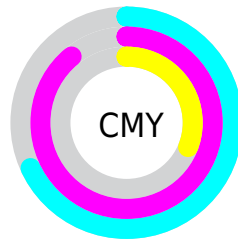
- Red (32%)
- Green (11%)
- Blue (69%)



- Red (32%)
- Yellow (11%)
- Blue (69%)



- Cyan (54%)
- Magenta (85%)
- Yellow (0%)
- Black (31%)



- Cyan (68%)
- Magenta (89%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 81, 27, 175 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 81, 27, 175 by changing the saturation by 10% instead.



81, 27, 175



81, 27, 175

255, 255, 255



49, 0, 148



140, 80, 232



0, 0, 121



169, 106, 255



0, 0, 95



199, 133, 255



0, 3, 70



229, 160, 255



0, 4, 47



255, 188, 255



0, 1, 25



255, 216, 255



0, 0, 0



255, 245, 255



81, 27, 175



81, 27, 175

■ 70, 9, 175

■ 92, 45, 175

■ 64, 0, 175

■ 103, 62, 175

■ 114, 80, 175

■ 125, 97, 175

■ 137, 115, 175

■ 148, 132, 175

■ 159, 150, 175

■ 170, 167, 175

■ 175, 185, 179

Harmonies

Analogous

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



0, 53, 206



81, 27, 175



157, 0, 116

Triad

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



81, 27, 175



119, 67, 0



0, 46, 90

Complementary

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



81, 27, 175



27, 175, 81

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, 79, 88



81, 27, 175



0, 72, 8

Square

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



81, 27, 175



158, 0, 0



0, 83, 83



0, 57, 154

Rectangle

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



81, 27, 175



173, 0, 72



0, 83, 83



0, 52, 89

Sweetspot

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



81, 27, 175



191, 170, 227



27, 85, 175



93, 80, 115



242, 242, 242



115, 115, 115

Same Dimension

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



81, 27, 175



83, 0, 227



153, 27, 175



81, 78, 87



55, 0, 150



8, 0, 23

Inverse Universe

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



175, 27, 121



227, 0, 144



27, 175, 153



87, 78, 84



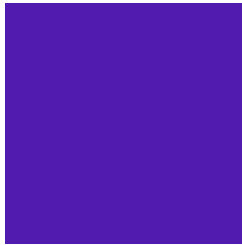
150, 0, 96



23, 0, 15

Previews

White Background



This preview shows how the RYB color 81, 27, 175 looks on a white background.

Color Contrast Check

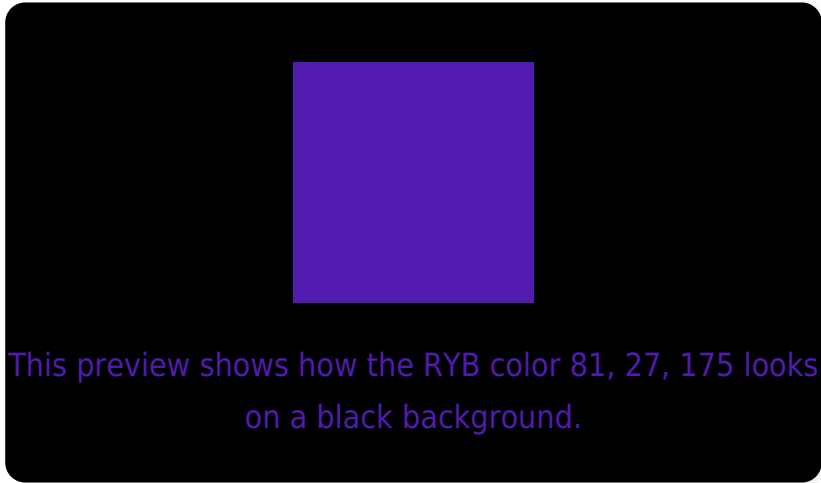
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black 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

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

R_YB 81, 27, 175 Background



This preview shows how black text looks on a background with the R_YB color 81, 27, 175.

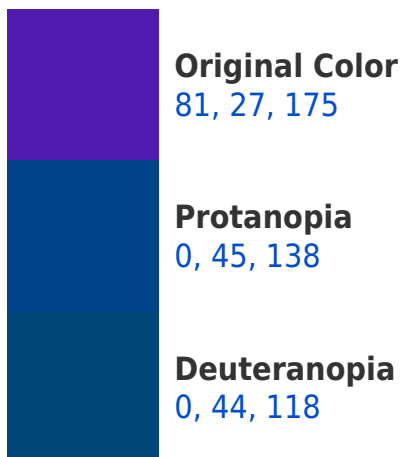


This preview shows how white text looks on a background with the R_YB color 81, 27, 175.

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

49, 61, 77

Trichromacy



Original Color

81, 27, 175



Protanomaly

29, 48, 151



Deuteranomaly

29, 49, 139



Tritanomaly

61, 55, 113

Monochromacy



Original Color

81, 27, 175



Achromatopsia

60, 60, 60



Achromatomaly

68, 48, 102

CSS Examples

Text

The CSS property to change the color of the text to RYB 81, 27, 175 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(81, 27, 175)` looks like.

```
.text, #text, p{  
    color:rgb(81, 27, 175)  
}
```

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(81, 27, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 27, 175) }
```

Border

The CSS property to change the border of an element to RYB 81, 27, 175 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(81, 27, 175) }
```

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

```
.border{ border-color:rgb(81, 27, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 27, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 27, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 27, 175);  
box-shadow:4px 4px 4px 4px rgb(81, 27,  
175) }
```

Background

The CSS property to change the background color of an element to RGB 81, 27, 175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 27, 175) }
```

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

```
.background{ background-color: rgb(81, 27,  
175) }
```

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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