

Converting Colors

`RYB(168, 27, 196)`

Have a look what the booklet for
RYB(168, 27, 196) contains.

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Color

$\text{RYB}(168, 27, 196)$

Conversions

Conversions Part 1

Format	Color
Hex	A81BC4
RGB	168, 27, 196
RGB Percent	66%, 11%, 77%
CMY	0.3412, 0.8941, 0.2314
CMYK	0.14, 0.86, 0.00, 0.23
HSL	290°, 76%, 44%
HSV	290°, 86%, 77%
XYZ	26.5042, 13.0942, 53.3551
YIQ	88.4250, 29.7870, 82.4510

Conversions

Conversions Part 2

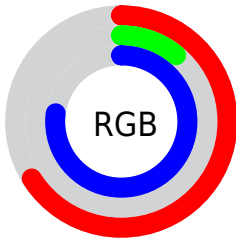
Format	Color
RYB	168, 27, 196
Decimal	11017156
CIELab	42.90, 72.76, -56.12
CIElCh	43, 91.886, 322.358
Yxy	13.0942, 0.2851, 0.1409
Android (android.graphics.Color)	4289207236 (0xFFA81BC4)
YUV	88.4250, 53.0345, 69.7873
Hunter-Lab	36.1859, 67.4159, -62.0912

Details

The RYB color **168, 27, 196** is a dark color, and the websafe version is hex **9933CC**. The color can be described as dark washed purple. A complement of this color would be **27, 196, 168**, and the grayscale version is **88, 88, 88**.

A 20% lighter version of the original color is **227, 94, 253**, and **111, 0, 141** is the 20% darker color. If you saturate the color by 10%, you get **165, 7, 196**, and if you desaturate by 10%, it is **171, 47, 196**.

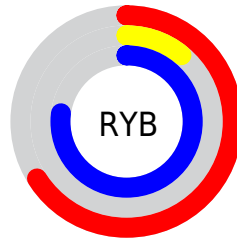
Distribution



Red (66%)

Green (11%)

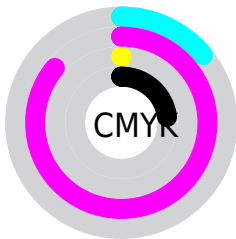
Blue (77%)



Red (66%)

Yellow (11%)

Blue (77%)

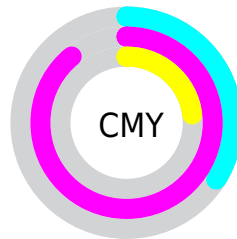


Cyan (14%)

Magenta (86%)

Yellow (0%)

Black (23%)



Cyan (34%)


Magenta (89%)


Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the RYB color 168, 27, 196 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 168, 27, 196 by changing the saturation by 10% instead.


 168, 27, 196

 168, 27, 196

255, 255, 255

 139, 0, 168

 227, 94, 253

 111, 0, 141

 255, 123, 255

 82, 0, 115

 255, 152, 255

 55, 0, 90

 255, 181, 255

 24, 0, 65

 255, 210, 255

 0, 3, 42

 255, 240, 255

 0, 1, 20

 0, 0, 0

 168, 27, 196

 168, 27, 196

■ 165, 7, 196

■ 171, 47, 196

■ 164, 0, 196

■ 174, 66, 196

■ 178, 86, 196

■ 181, 105, 196

■ 184, 125, 196

■ 187, 145, 196

■ 191, 164, 196

■ 194, 184, 196

■ 196, 203, 202

Harmonies

Analogous

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



0, 66, 245



168, 27, 196



219, 0, 124

Triad

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



168, 27, 196



73, 140, 0



0, 71, 158

Complementary

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



168, 27, 196



27, 196, 168

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, 80, 129



168, 27, 196



0, 114, 46

Square

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



168, 27, 196



193, 59, 0



0, 124, 124



0, 82, 223

Rectangle

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



168, 27, 196



226, 0, 75



0, 124, 124



0, 65, 132

Sweetspot

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



168, 27, 196



244, 189, 255



27, 51, 196



121, 88, 128



0, 0, 0



128, 128, 128

Same Dimension

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



168, 27, 196



213, 0, 255



196, 27, 140



95, 87, 97



134, 0, 161



28, 0, 33

Inverse Universe

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



196, 27, 55



255, 0, 42



27, 154, 196



97, 87, 89



161, 0, 27



33, 0, 5

Previews

White Background



This preview shows how the RYB color 168, 27, 196 looks on a white background.

Color Contrast Check

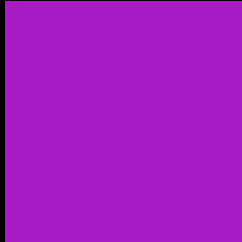
Large Text (above 18pt) WCAG AA ✓ Pass

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 168, 27, 196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

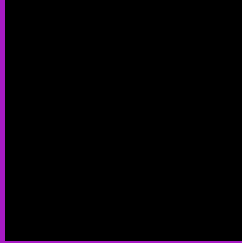
Any Text WCAG AA × Fail

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](#).

RGB 168, 27, 196 Background



This preview shows how black text looks on a background with the RGB color 168, 27, 196.



This preview shows how white text looks on a background with the RGB color 168, 27, 196.

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



Original Color

168, 27, 196

Protanopia

0, 67, 209

Deuteranopia

0, 67, 185



Tritanopia
153, 80, 85

Trichromacy



Original Color

168, 27, 196



Protanomaly

61, 72, 204



Deuteranomaly

61, 74, 189



Tritanomaly

158, 61, 125

Monochromacy



Original Color

168, 27, 196



Achromatopsia

88, 88, 88



Achromatomaly

117, 66, 127

CSS Examples

Text

The CSS property to change the color of the text to RYB 168, 27, 196 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(168, 27, 196)` looks like.

```
.text, #text, p{  
    color:rgb(168, 27, 196)  
}
```

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(168, 27, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 27, 196) }
```

Border

The CSS property to change the border of an element to RYB 168, 27, 196 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(168, 27, 196) }
```

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

```
.border{ border-color:rgb(168, 27, 196) }
```

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

Here you see how a box with a 4 pixel rgb(168, 27, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 27, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 27, 196);  
box-shadow:4px 4px 4px 4px rgb(168, 27,  
196) }
```

Background

The CSS property to change the background color of an element to RGB 168, 27, 196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 27, 196) }
```

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

```
.background{ background-color: rgb(168, 27,  
196) }
```

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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