

Converting Colors

`RYB(168, 96, 175)`

Have a look what the booklet for
RYB(168, 96, 175) contains.

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Color

R_YB(168, 96, 175)

Conversions

Conversions Part 1

Format	Color
Hex	A860AF
RGB	168, 96, 175
RGB Percent	66%, 38%, 69%
CMY	0.3412, 0.6235, 0.3137
CMYK	0.04, 0.45, 0.00, 0.31
HSL	295°, 33%, 53%
HSV	295°, 45%, 69%
XYZ	28.0692, 19.7857, 42.8971
YIQ	126.5340, 17.5530, 39.8330

Conversions

Conversions Part 2

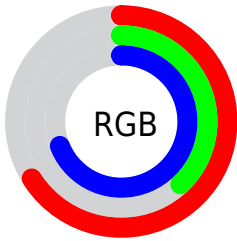
Format	Color
R_{YB}	168, 96, 175
Decimal	11034799
CIE _{Lab}	51.59, 41.61, -30.08
CIE _{LCh}	52, 51.344, 324.142
Yxy	19.7857, 0.3093, 0.2180
Android (android.graphics.Color)	4289224879 (0xFFA860AF)
YUV	126.5340, 23.8937, 36.3657
Hunter-Lab	44.4811, 34.7979, -26.0417

Details

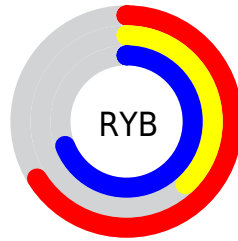
The RYB color **168, 96, 175** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **96, 175, 168**, and the grayscale version is **126, 126, 126**.

A 20% lighter version of the original color is **225, 149, 231**, and **114, 46, 122** is the 20% darker color. If you saturate the color by 10%, you get **166, 78, 175**, and if you desaturate by 10%, it is **170, 114, 175**.

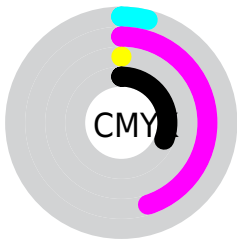
Distribution



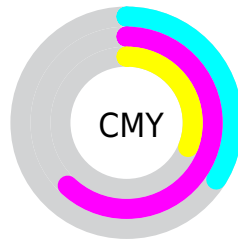
- Red (66%)
- Green (38%)
- Blue (69%)



- Red (66%)
- Yellow (38%)
- Blue (69%)



- Cyan (4%)
- Magenta (45%)
- Yellow (0%)
- Black (31%)



- Cyan (34%)
- Magenta (62%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 168, 96, 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 168, 96, 175 by changing the saturation by 10% instead.

 168, 96, 175


255, 255, 255


 225, 149, 231

 254, 176, 255

 255, 204, 255

 255, 232, 255


 168, 96, 175

 141, 71, 148

 114, 46, 122

 88, 19, 97

 63, 0, 73


 41, 0, 50

 0, 0, 28


 0, 0, 0


 168, 96, 175

 166, 78, 175

 168, 96, 175

 170, 114, 175


 165, 61, 175

 171, 131, 175

 163, 44, 175

 173, 148, 175

 162, 26, 175

 174, 166, 175

 160, 9, 175

 175, 184, 183

 159, 0, 175

 175, 201, 199

 175, 219, 215

 175, 236, 231

 175, 254, 247

Harmonies

Analogous

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



108, 115, 203



168, 96, 175



198, 83, 134

Triad

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



168, 96, 175



75, 153, 27



0, 75, 158

Complementary

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



168, 96, 175



96, 175, 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, 143



168, 96, 175



35, 131, 55

Square

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



168, 96, 175



185, 130, 52



53, 126, 139



0, 81, 193

Rectangle

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



168, 96, 175



203, 82, 104



53, 126, 139



0, 72, 144

Sweetspot

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



168, 96, 175



224, 195, 227



96, 103, 175



113, 95, 115



242, 242, 242



115, 115, 115

Same Dimension

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



168, 96, 175



216, 104, 227



175, 96, 143



86, 78, 87



137, 0, 150



21, 0, 23

Inverse Universe

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



175, 96, 103



227, 104, 115



96, 152, 175



87, 78, 79



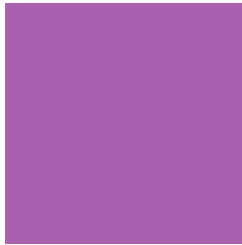
150, 0, 13



23, 0, 2

Previews

White Background



This preview shows how the RYB color 168, 96, 175 looks on a white background.

Color Contrast Check

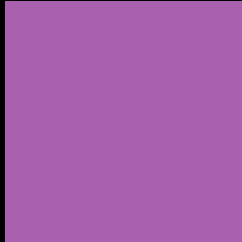
Large Text (above 18pt) WCAG AA ✓ Pass

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 168, 96, 175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

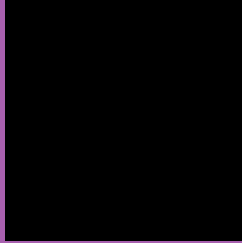
Any Text WCAG AA ✓ Pass

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 168, 96, 175 Background



This preview shows how black text looks on a background with the RYP color 168, 96, 175.

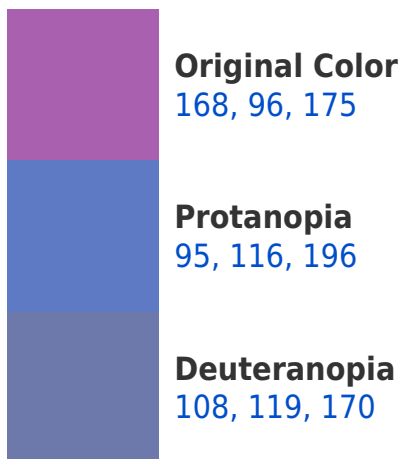



This preview shows how white text looks on a background with the RYP color 168, 96, 175.

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
160, 109, 117

Trichromacy



Original Color
168, 96, 175



Protanomaly
122, 112, 188



Deuteranomaly
130, 113, 172



Tritanomaly
163, 104, 138

Monochromacy



Original Color
168, 96, 175



Achromatopsia
127, 127, 127



Achromatomaly
142, 116, 144

CSS Examples

Text

The CSS property to change the color of the text to RYB 168, 96, 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(168, 96, 175)` looks like.

```
.text, #text, p{  
    color:rgb(168, 96, 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(168, 96, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 96, 175) }
```

Border

The CSS property to change the border of an element to RYB 168, 96, 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(168, 96, 175) }
```

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

```
.border{ border-color:rgb(168, 96, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 96, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 96, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 96, 175);  
box-shadow:4px 4px 4px 4px rgb(168, 96,  
175) }
```

Background

The CSS property to change the background color of an element to RGB 168, 96, 175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 96, 175) }
```

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

```
.background{ background-color: rgb(168, 96,  
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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