

Converting Colors

`RYB(168, 86, 168)`

Have a look what the booklet for
RYB(168, 86, 168) contains.

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Color

`RYB(168, 86, 168)`

Conversions

Conversions Part 1

Format	Color
Hex	A856A8
RGB	168, 86, 168
RGB Percent	66%, 34%, 66%
CMY	0.3412, 0.6627, 0.3412
CMYK	0.00, 0.49, 0.00, 0.34
HSL	300°, 32%, 50%
HSV	300°, 49%, 66%
XYZ	26.5441, 17.8076, 39.0840
YIQ	119.8660, 22.5500, 42.8860

Conversions

Conversions Part 2

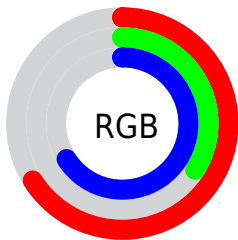
Format	Color
R _Y B	168, 86, 168
Decimal	11032232
CIE Lab	49.26, 45.52, -29.62
CIE LCh	49, 54.309, 326.952
Yxy	17.8076, 0.3181, 0.2134
Android (android.graphics.Color)	4289222312 (0xFFA856A8)
YUV	119.8660, 23.7301, 42.2135
Hunter-Lab	42.1990, 38.4322, -25.3740

Details

The RYB color **168, 86, 168** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **86, 168, 168**, and the grayscale version is **120, 120, 120**.

A 20% lighter version of the original color is **225, 139, 223**, and **114, 34, 116** is the 20% darker color. If you saturate the color by 10%, you get **168, 69, 168**, and if you desaturate by 10%, it is **168, 103, 168**.

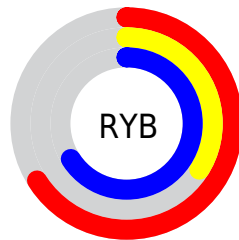
Distribution



Red (66%)

Green (34%)

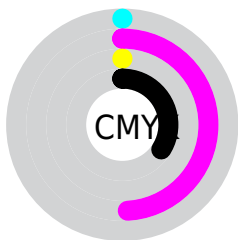
Blue (66%)



Red (66%)

Yellow (34%)

Blue (66%)

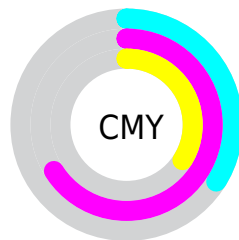


Cyan (0%)

Magenta (49%)

Yellow (0%)

Black (34%)



Cyan (34%)


Magenta (66%)

Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the RYB color 168, 86, 168 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, 86, 168 by changing the saturation by 10% instead.

 168, 86, 168

 168, 86, 168

255, 255, 255

 141, 60, 141

 225, 139, 223

 114, 34, 116


 254, 166, 252

 88, 0, 91

 255, 194, 255

 62, 0, 67

 255, 222, 255

 41, 0, 45

 255, 251, 255


 0, 1, 22


 0, 0, 0

 168, 86, 168


 168, 86, 168

 168, 69, 168


 168, 103, 168


 168, 52, 168

 168, 120, 168

 168, 36, 168

 168, 136, 168


 168, 19, 168

 168, 153, 168

 168, 2, 168

 168, 170, 170

 168, 0, 168

 168, 187, 187

 168, 204, 204

 168, 220, 220

 168, 237, 237

Harmonies

Analogous

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



108, 107, 200



168, 86, 168



196, 72, 124

Triad

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



168, 86, 168



46, 144, 6



0, 74, 158

Complementary

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



168, 86, 168



86, 168, 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, 76, 138



168, 86, 168



23, 127, 51

Square

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



168, 86, 168



178, 134, 38



26, 107, 135



0, 79, 194

Rectangle

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



168, 86, 168



200, 73, 93



26, 107, 135



0, 70, 143

Sweetspot

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



168, 86, 168



219, 186, 219



86, 86, 168



110, 90, 110



237, 237, 237



110, 110, 110

Same Dimension

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



168, 86, 168



219, 90, 219



168, 86, 127



84, 76, 84



148, 0, 148



20, 0, 20

Inverse Universe

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



168, 86, 168



219, 90, 219



86, 141, 168



84, 76, 84



148, 0, 148



20, 0, 20

Previews

White Background



This preview shows how the RYB color 168, 86, 168 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, 86, 168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

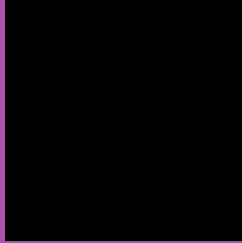
Any Text WCAG AA ✓ Pass

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](#).

RYB 168, 86, 168 Background



This preview shows how black text looks on a background with the RYB color 168, 86, 168.

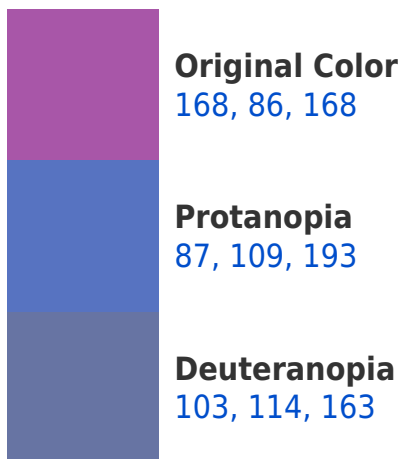


This preview shows how white text looks on a background with the RYB color 168, 86, 168.

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
161, 100, 108

Trichromacy



Original Color

168, 86, 168



Protanomaly

116, 104, 184



Deuteranomaly

127, 105, 165



Tritanomaly

164, 95, 130

Monochromacy



Original Color

168, 86, 168



Achromatopsia

120, 120, 120



Achromatomaly

137, 108, 137

CSS Examples

Text

The CSS property to change the color of the text to RYB 168, 86, 168 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, 86, 168)` looks like.

```
.text, #text, p{  
    color:rgb(168, 86, 168)  
}
```

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, 86, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 86, 168) }
```

Border

The CSS property to change the border of an element to RYB 168, 86, 168 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, 86, 168) }
```

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

```
.border{ border-color:rgb(168, 86, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 86, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 86, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 86, 168);  
box-shadow:4px 4px 4px 4px rgb(168, 86,  
168) }
```

Background

The CSS property to change the background color of an element to RGB 168, 86, 168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 86, 168) }
```

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

```
.background{ background-color: rgb(168, 86,  
168) }
```

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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