

Converting Colors

`RYB(187, 116, 168)`

Have a look what the booklet for
RYB(187, 116, 168) contains.

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Color

R_YB(187, 116, 168)

Conversions

Conversions Part 1

Format	Color
Hex	BB74A8
RGB	187, 116, 168
RGB Percent	73%, 45%, 66%
CMY	0.2667, 0.5451, 0.3412
CMYK	0.00, 0.38, 0.10, 0.27
HSL	316°, 34%, 59%
HSV	316°, 38%, 73%
XYZ	33.8068, 25.8827, 40.2598
YIQ	143.1570, 25.6240, 31.2240

Conversions

Conversions Part 2

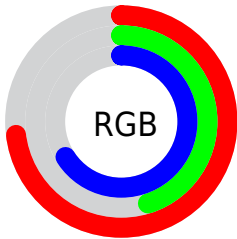
Format	Color
RYB	187, 116, 168
Decimal	12285096
CIELab	57.93, 35.62, -16.09
CIELCh	58, 39.084, 335.688
Yxy	25.8827, 0.3382, 0.2590
Android (android.graphics.Color)	4290475176 (0xFFBB74A8)
YUV	143.1570, 12.2476, 38.4503
Hunter-Lab	50.8751, 29.5829, -11.3064

Details

The RYB color **187, 116, 168** is a light color, and the websafe version is hex **996699**. A complement of this color would be **116, 172, 187**, and the grayscale version is **143, 143, 143**.

A 20% lighter version of the original color is **244, 169, 223**, and **132, 66, 116** is the 20% darker color. If you saturate the color by 10%, you get **187, 97, 163**, and if you desaturate by 10%, it is **187, 135, 173**.

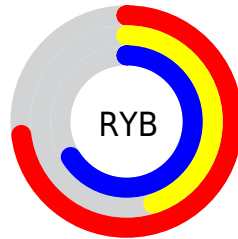
Distribution



Red (73%)

Green (45%)

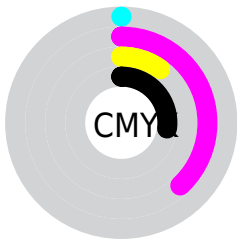
Blue (66%)



Red (73%)

Yellow (45%)

Blue (66%)

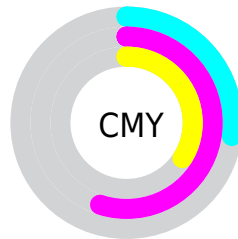


Cyan (0%)

Magenta (38%)

Yellow (10%)

Black (27%)



Cyan (27%)

Magenta (55%)

Yellow (34%)


Brightness & Saturation Gradients

These gradients show how the RYB color 187, 116, 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 187, 116, 168 by changing the saturation by 10% instead.

 187, 116, 168

255, 255, 255

 244, 169, 223

 255, 197, 252

 255, 225, 255

255, 254, 255

 187, 116, 168


 187, 97, 163

 187, 116, 168

 159, 90, 142

 132, 66, 116

 106, 41, 91

 81, 15, 68

 56, 0, 45


 35, 0, 25

 0, 0, 0


 187, 116, 168

 187, 135, 173

 187, 79, 158

 187, 153, 178

 187, 60, 153

 187, 172, 183

 187, 41, 148

 187, 190, 191

 187, 23, 143

 187, 205, 210

 187, 4, 138

 187, 219, 228

 187, 0, 137

 187, 234, 247

 187, 239, 255

 187, 236, 255

Harmonies

Analogous

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



151, 128, 195



187, 116, 168



203, 111, 134

Triad

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



187, 116, 168



87, 154, 69



0, 83, 178

Complementary

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



187, 116, 168



116, 172, 187

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, 82, 157



187, 116, 168



82, 149, 113

Square

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



187, 116, 168



183, 172, 77



73, 130, 155



0, 86, 201

Rectangle

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



187, 116, 168



204, 113, 111



73, 130, 155



0, 81, 168

Sweetspot

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



187, 116, 168



242, 216, 235



135, 116, 187



122, 106, 118



250, 250, 250



122, 122, 122

Same Dimension

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



187, 116, 168



242, 131, 212



187, 116, 133



94, 85, 92



158, 0, 116



31, 0, 22

Inverse Universe

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



187, 116, 168



242, 131, 212



116, 156, 187



94, 85, 92



158, 0, 116



31, 0, 22

Previews

White Background



This preview shows how the RYB color 187, 116, 168 looks on a white background.

Color Contrast Check

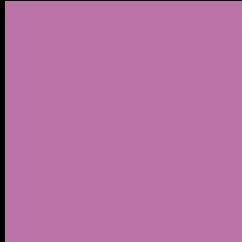
Large Text (above 18pt) WCAG AA ✓ Pass

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 187, 116, 168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

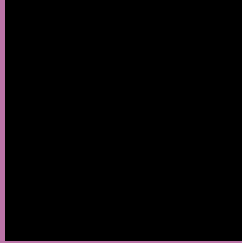
Any Text WCAG AA ✓ Pass

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 187, 116, 168 Background



This preview shows how black text looks on a background with the RYB color 187, 116, 168.

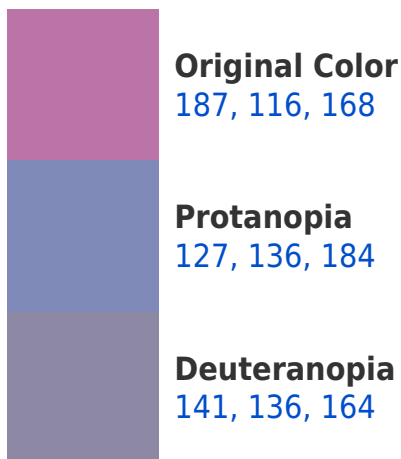



This preview shows how white text looks on a background with the RYB color 187, 116, 168.

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
183, 123, 132

Trichromacy



Original Color
187, 116, 168

Protanomaly
149, 130, 178

Deuteranomaly
158, 129, 165

Tritanomaly
184, 120, 145

Monochromacy



Original Color
187, 116, 168

Achromatopsia
143, 143, 143

Achromatomaly
159, 133, 152

CSS Examples

Text

The CSS property to change the color of the text to RYB 187, 116, 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(187, 116, 168) looks like.

```
.text, #text, p{  
    color:rgb(187, 116, 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(187, 116, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 116, 168) }
```

Border

The CSS property to change the border of an element to RYB 187, 116, 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(187, 116, 168) }
```

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

```
.border{ border-color:rgb(187, 116, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 116, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 116, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 116, 168);  
box-shadow:4px 4px 4px 4px rgb(187, 116,  
168) }
```

Background

The CSS property to change the background color of an element to RYB 187, 116, 168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 116, 168) }
```

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

```
.background{ background-color: rgb(187,  
116, 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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