

Converting Colors

`RYB(185, 117, 189)`

Have a look what the booklet for
RYB(185, 117, 189) contains.

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Color

R_YB(185, 117, 189)

Conversions

Conversions Part 1

Format	Color
Hex	B975BD
RGB	185, 117, 189
RGB Percent	73%, 46%, 74%
CMY	0.2745, 0.5412, 0.2588
CMYK	0.02, 0.38, 0.00, 0.26
HSL	297°, 35%, 60%
HSV	297°, 38%, 74%
XYZ	35.5542, 26.7110, 51.4259
YIQ	145.5400, 17.4160, 36.8080

Conversions

Conversions Part 2

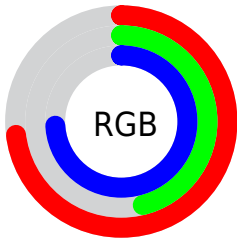
Format	Color
RYB	185, 117, 189
Decimal	12154301
CIELab	58.71, 38.26, -26.95
CIELCh	59, 46.796, 324.836
Yxy	26.7110, 0.3127, 0.2349
Android (android.graphics.Color)	4290344381 (0xFFB975BD)
YUV	145.5400, 21.4258, 34.6064
Hunter-Lab	51.6827, 32.3512, -22.8176

Details

The RYB color **185, 117, 189** is a light color, and the websafe version is hex **996699**. A complement of this color would be **117, 189, 185**, and the grayscale version is **145, 145, 145**.

A 20% lighter version of the original color is **242, 170, 245**, and **130, 66, 135** is the 20% darker color. If you saturate the color by 10%, you get **184, 98, 189**, and if you desaturate by 10%, it is **186, 136, 189**.

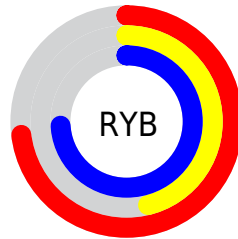
Distribution



Red (73%)

Green (46%)

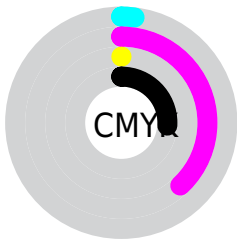
Blue (74%)



Red (73%)

Yellow (46%)

Blue (74%)

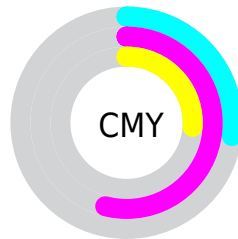


Cyan (2%)

Magenta (38%)

Yellow (0%)

Black (26%)



Cyan (27%)

Magenta (54%)

Yellow (26%)


Brightness & Saturation Gradients

These gradients show how the RYB color 185, 117, 189 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 185, 117, 189 by changing the saturation by 10% instead.

 185, 117, 189

255, 255, 255

 242, 170, 245

 255, 198, 255

 255, 226, 255

 185, 117, 189

 157, 91, 162

 130, 66, 135

 104, 42, 110

 79, 16, 85

 54, 0, 62

 34, 0, 40

 0, 1, 17


 0, 0, 0

 185, 117, 189

 185, 117, 189

 184, 98, 189


 186, 136, 189

 183, 79, 189


 187, 155, 189

 182, 60, 189

 188, 174, 189

 181, 41, 189

 189, 193, 193

 180, 22, 189

 189, 212, 211

 179, 4, 189

 189, 230, 228

 179, 0, 189

 189, 249, 246

 189, 255, 251

 189, 255, 250

Harmonies

Analogous

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



132, 133, 216



185, 117, 189



213, 106, 150

Triad

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



185, 117, 189



104, 171, 56



0, 84, 174

Complementary

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



185, 117, 189



117, 189, 185

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, 88, 161



185, 117, 189



63, 149, 81

Square

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



185, 117, 189



201, 147, 75



80, 147, 157



0, 89, 207

Rectangle

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



185, 117, 189



218, 106, 122



80, 147, 157



0, 81, 162

Sweetspot

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



185, 117, 189



243, 218, 245



117, 122, 189



122, 106, 122



250, 250, 250



122, 122, 122

Same Dimension

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



185, 117, 189



239, 132, 245



189, 117, 158



94, 85, 94



149, 0, 158



29, 0, 31

Inverse Universe

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



189, 117, 121



245, 132, 138



117, 167, 189



94, 85, 85



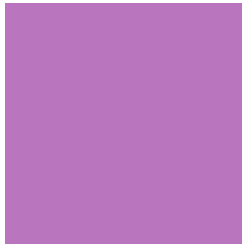
158, 0, 9



31, 0, 2

Previews

White Background



This preview shows how the RYB color 185, 117, 189 looks on a white background.

Color Contrast Check

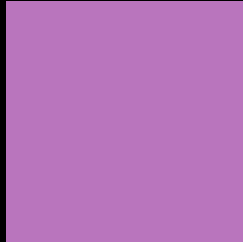
Large Text (above 18pt) WCAG AA ✓ Pass

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 185, 117, 189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

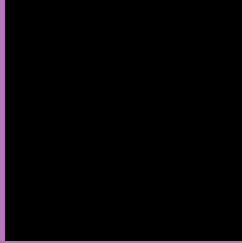
Any Text WCAG AA ✓ Pass

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 185, 117, 189 Background



This preview shows how black text looks on a background with the RYB color 185, 117, 189.



This preview shows how white text looks on a background with the RYB color 185, 117, 189.

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
185, 117, 189

Protanopia
120, 136, 206

Deuteranopia
132, 138, 185



Tritanopia

178, 128, 138

Trichromacy



Original Color
185, 117, 189

Protanomaly
144, 131, 200

Deuteranomaly
151, 131, 186

Tritanomaly
181, 124, 157

Monochromacy



Original Color
185, 117, 189

Achromatopsia
146, 146, 146

Achromatomaly
160, 135, 162

CSS Examples

Text

The CSS property to change the color of the text to RYB 185, 117, 189 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(185, 117, 189)` looks like.

```
.text, #text, p{  
    color:rgb(185, 117, 189)  
}
```

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(185, 117, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 117, 189) }
```

Border

The CSS property to change the border of an element to RYB 185, 117, 189 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(185, 117, 189) }
```

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

```
.border{ border-color:rgb(185, 117, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 117, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 117, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 117, 189);  
box-shadow:4px 4px 4px 4px rgb(185, 117,  
189) }
```

Background

The CSS property to change the background color of an element to RYB 185, 117, 189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 117, 189) }
```

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

```
.background{ background-color: rgb(185,  
117, 189) }
```

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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