

Converting Colors

`RYB(186, 117, 163)`

Have a look what the booklet for
RYB(186, 117, 163) contains.

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Color

$\text{RYB}(186, 117, 163)$

Conversions

Conversions Part 1

Format	Color
Hex	BA75A3
RGB	186, 117, 163
RGB Percent	73%, 46%, 64%
CMY	0.2706, 0.5412, 0.3608
CMYK	0.00, 0.37, 0.12, 0.27
HSL	320°, 33%, 59%
HSV	320°, 37%, 73%
XYZ	33.2218, 25.8060, 37.8804
YIQ	142.8750, 26.3580, 28.9340

Conversions

Conversions Part 2

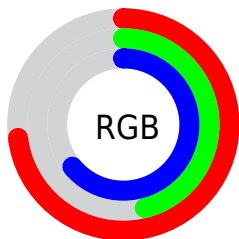
Format	Color
R_{YB}	186, 117, 163
Decimal	12219811
CIE _{Lab}	57.85, 33.88, -13.33
CIE _{LCh}	58, 36.407, 338.519
Yxy	25.8060, 0.3428, 0.2663
Android (android.graphics.Color)	4290409891 (0xFFBA75A3)
YUV	142.8750, 9.9216, 37.8206
Hunter-Lab	50.7996, 27.8357, -8.6518

Details

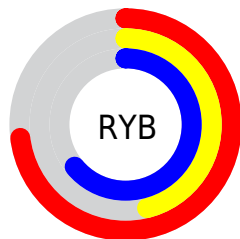
The RYB color **186, 117, 163** is a light color, and the websafe version is hex **996699**. A complement of this color would be **117, 169, 186**, and the grayscale version is **143, 143, 143**.

A 20% lighter version of the original color is **243, 170, 218**, and **131, 67, 111** is the 20% darker color. If you saturate the color by 10%, you get **186, 98, 157**, and if you desaturate by 10%, it is **186, 136, 169**.

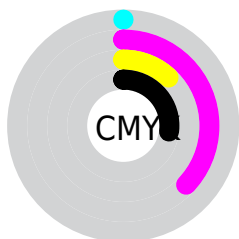
Distribution



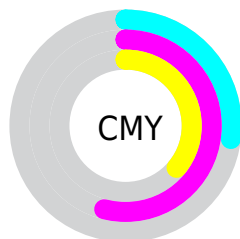
- Red (73%)
- Green (46%)
- Blue (64%)



- Red (73%)
- Yellow (46%)
- Blue (64%)



- Cyan (0%)
- Magenta (37%)
- Yellow (12%)
- Black (27%)



- Cyan (27%)
- Magenta (54%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 186, 117, 163 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 186, 117, 163 by changing the saturation by 10% instead.

 186, 117, 163

255, 255, 255

 243, 170, 218

 255, 198, 246


 255, 226, 255

 186, 117, 163

 158, 92, 137

 131, 67, 111

 105, 43, 87

 80, 18, 63

 55, 0, 41

 34, 0, 21

 0, 0, 0

 186, 117, 163


 186, 98, 157

 186, 117, 163

 186, 136, 169

 186, 80, 151

 186, 154, 175

 186, 61, 144

 186, 173, 182

 186, 43, 138

 186, 190, 191

 186, 24, 132

 186, 204, 210

 186, 5, 126

 186, 218, 229

 186, 0, 124

 186, 232, 247

 186, 236, 255

 186, 233, 255

Harmonies

Analogous

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



154, 127, 189



186, 117, 163



200, 113, 131

Triad

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



186, 117, 163



87, 150, 75



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.



186, 117, 163



117, 169, 186

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, 156



186, 117, 163



88, 149, 121

Square

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



186, 117, 163



178, 178, 80



75, 127, 154



37, 103, 198

Rectangle

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



186, 117, 163



199, 116, 110



75, 127, 154



0, 81, 168

Sweetspot

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



186, 117, 163



242, 216, 233



140, 117, 186



122, 106, 117



250, 250, 250



122, 122, 122

Same Dimension

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



186, 117, 163



242, 133, 206



186, 117, 129



92, 83, 89



156, 0, 104



28, 0, 19

Inverse Universe

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



186, 117, 163



242, 133, 206



117, 155, 186



92, 83, 89



156, 0, 104



28, 0, 19

Previews

White Background



This preview shows how the RYB color 186, 117, 163 looks on a white background.

Color Contrast Check

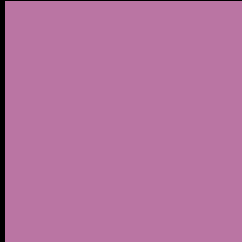
Large Text (above 18pt) WCAG AA ✓ Pass

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 186, 117, 163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

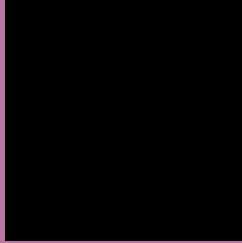
Any Text WCAG AA ✓ Pass

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 186, 117, 163 Background



This preview shows how black text looks on a background with the RYB color 186, 117, 163.



This preview shows how white text looks on a background with the RYB color 186, 117, 163.

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
186, 117, 163

Protanopia
129, 137, 177

Deuteranopia
143, 136, 160



Tritanopia
182, 123, 132

Trichromacy



Original Color
186, 117, 163

Protanomaly
150, 130, 172

Deuteranomaly
159, 129, 161

Tritanomaly
183, 121, 143

Monochromacy



Original Color
186, 117, 163

Achromatopsia
143, 143, 143

Achromatomaly
159, 134, 150

CSS Examples

Text

The CSS property to change the color of the text to RYB 186, 117, 163 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(186, 117, 163)` looks like.

```
.text, #text, p{  
    color:rgb(186, 117, 163)  
}
```

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(186, 117, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 117, 163) }
```

Border

The CSS property to change the border of an element to RYB 186, 117, 163 is called "border". The border property can be set on classes, ids or directly on the HTML element.

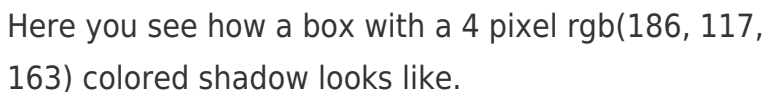
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 117, 163) }
```

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

```
.border{ border-color:rgb(186, 117, 163) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 117, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 117, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 117, 163);  
box-shadow:4px 4px 4px 4px rgb(186, 117,  
163) }
```

Background

The CSS property to change the background color of an element to RYB 186, 117, 163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 117, 163) }
```

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

```
.background{ background-color: rgb(186,  
117, 163) }
```

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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