

Converting Colors

`RYB(186, 117, 185)`

Have a look what the booklet for
RYB(186, 117, 185) contains.

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Color

R_YB(186, 117, 185)

Conversions

Conversions Part 1

Format	Color
Hex	BA75B9
RGB	186, 117, 185
RGB Percent	73%, 46%, 73%
CMY	0.2706, 0.5412, 0.2745
CMYK	0.00, 0.37, 0.01, 0.27
HSL	301°, 33%, 59%
HSV	301°, 37%, 73%
XYZ	35.3679, 26.6645, 49.1816
YIQ	145.3830, 19.2960, 35.7760

Conversions

Conversions Part 2

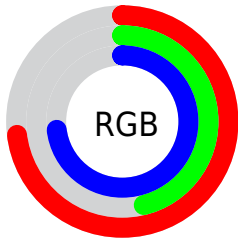
Format	Color
RYB	186, 117, 185
Decimal	12219833
CIELab	58.66, 37.81, -24.73
CIELCh	59, 45.179, 326.820
Yxy	26.6645, 0.3180, 0.2398
Android (android.graphics.Color)	4290409913 (0xFFBA75B9)
YUV	145.3830, 19.5312, 35.6211
Hunter-Lab	51.6376, 31.8933, -20.3236

Details

The RYB color **186, 117, 185** is a light color, and the websafe version is hex **996699**. A complement of this color would be **117, 185, 186**, and the grayscale version is **145, 145, 145**.

A 20% lighter version of the original color is **243, 170, 241**, and **131, 66, 132** is the 20% darker color. If you saturate the color by 10%, you get **186, 98, 185**, and if you desaturate by 10%, it is **186, 136, 185**.

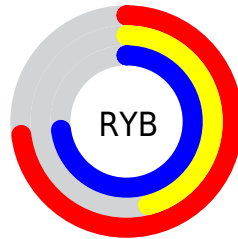
Distribution



Red (73%)

Green (46%)

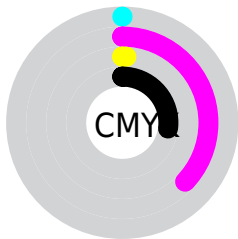
Blue (73%)



Red (73%)

Yellow (46%)

Blue (73%)

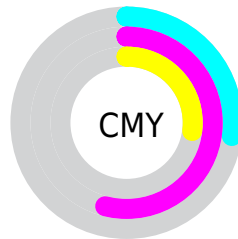


Cyan (0%)

Magenta (37%)

Yellow (1%)

Black (27%)



Cyan (27%)

Magenta (54%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the RYB color 186, 117, 185 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, 185 by changing the saturation by 10% instead.

 186, 117, 185

255, 255, 255


 243, 170, 241

 255, 198, 255


 255, 226, 255

 186, 117, 185

 158, 91, 158

 131, 66, 132

 105, 42, 106

 80, 16, 82

 55, 0, 59


 35, 0, 37

 0, 0, 12


 0, 0, 0


 186, 117, 185

 186, 117, 185

 186, 98, 185

 186, 136, 185

 186, 80, 184

 186, 154, 186

 186, 61, 184

 186, 173, 186

 186, 43, 184

 186, 191, 191

 186, 24, 184

 186, 210, 210

 186, 5, 183

 186, 228, 229

 186, 0, 183

 186, 246, 247

 186, 254, 255

Harmonies

Analogous

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



137, 132, 212



186, 117, 185



211, 108, 147

Triad

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



186, 117, 185



102, 168, 59



0, 84, 176

Complementary

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



186, 117, 185



117, 185, 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, 88, 161



186, 117, 185



67, 149, 87

Square

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



186, 117, 185



198, 152, 76



79, 143, 157



0, 89, 207

Rectangle

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



186, 117, 185



216, 108, 120



79, 143, 157



0, 81, 163

Sweetspot

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



186, 117, 185



242, 216, 242



117, 117, 186



122, 106, 122



250, 250, 250



122, 122, 122

Same Dimension

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



186, 117, 185



242, 133, 241



186, 117, 152



92, 83, 92



156, 0, 153



28, 0, 28

Inverse Universe

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



186, 117, 185



242, 133, 241



117, 163, 186



92, 83, 92



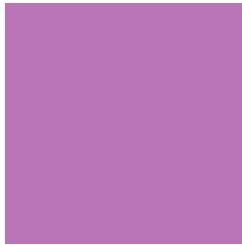
156, 0, 153



28, 0, 28

Previews

White Background



This preview shows how the RYB color 186, 117, 185 looks on a white background.

Color Contrast Check

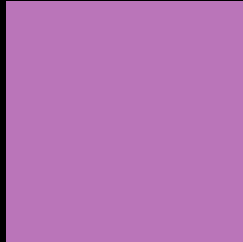
Large Text (above 18pt) WCAG AA ✓ Pass

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, 185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

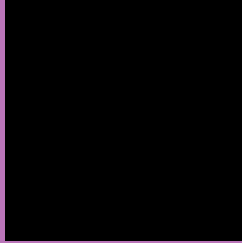
Any Text WCAG AA ✓ Pass

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, 185 Background



This preview shows how black text looks on a background with the RYB color 186, 117, 185.



This preview shows how white text looks on a background with the RYB color 186, 117, 185.

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, 185

Protanopia
122, 136, 202

Deuteranopia
134, 139, 181



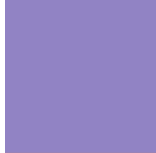
Tritanopia
180, 127, 137

Trichromacy



Original Color

186, 117, 185



Protanomaly

145, 131, 196



Deuteranomaly

153, 131, 182



Tritanomaly

182, 123, 154

Monochromacy



Original Color

186, 117, 185



Achromatopsia

145, 145, 145



Achromatomaly

160, 135, 160

CSS Examples

Text

The CSS property to change the color of the text to RYB 186, 117, 185 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, 185)` looks like.

```
.text, #text, p{  
    color:rgb(186, 117, 185)  
}
```

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, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 117, 185) }
```

Border

The CSS property to change the border of an element to RYB 186, 117, 185 is called "border". The border property can be set on classes, ids or directly on the HTML element.

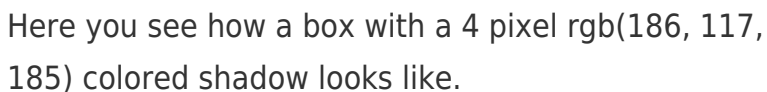
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 117, 185) }
```

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

```
.border{ border-color:rgb(186, 117, 185) }
```

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, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 117, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 117, 185); box-shadow:4px 4px 4px 4px rgb(186, 117, 185) }
```

Background

The CSS property to change the background color of an element to RYB 186, 117, 185 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, 185) }
```

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

```
.background{ background-color: rgb(186,  
117, 185) }
```

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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