

Converting Colors

`RYB(186, 117, 221)`

Have a look what the booklet for
RYB(186, 117, 221) contains.

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Color

R_YB(186, 117, 221)

Conversions

Conversions Part 1

Format	Color
Hex	BA75DD
RGB	186, 117, 221
RGB Percent	73%, 46%, 87%
CMY	0.2706, 0.5412, 0.1333
CMYK	0.16, 0.47, 0.00, 0.13
HSL	280°, 60%, 66%
HSV	280°, 47%, 87%
XYZ	39.6621, 28.3821, 71.7945
YIQ	149.4870, 7.7400, 46.9720

Conversions

Conversions Part 2

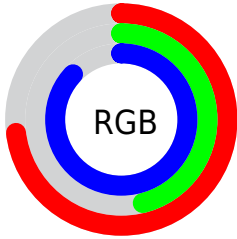
Format	Color
R _{YB}	186, 117, 221
Decimal	12219869
CIE _{Lab}	60.23, 45.05, -42.64
CIE _{LCh}	60, 62.029, 316.572
Yxy	28.3821, 0.2836, 0.2030
Android (android.graphics.Color)	4290409949 (0xFFBA75DD)
YUV	149.4870, 35.2559, 32.0219
Hunter-Lab	53.2749, 39.6588, -42.6082

Details

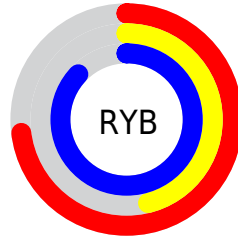
The RYB color **186, 117, 221** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **117, 221, 186**, and the grayscale version is **149, 149, 149**.

A 20% lighter version of the original color is **244, 171, 255**, and **131, 66, 165** is the 20% darker color. If you saturate the color by 10%, you get **179, 95, 221**, and if you desaturate by 10%, it is **193, 139, 221**.

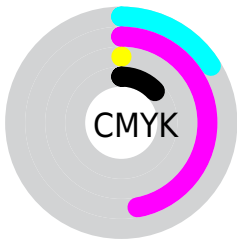
Distribution



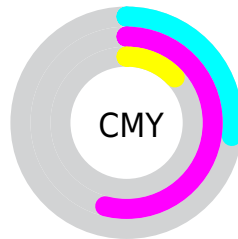
- Red (73%)
- Green (46%)
- Blue (87%)



- Red (73%)
- Yellow (46%)
- Blue (87%)



- Cyan (16%)
- Magenta (47%)
- Yellow (0%)
- Black (13%)



- Cyan (27%)
- Magenta (54%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 186, 117, 221 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, 221 by changing the saturation by 10% instead.


 186, 117, 221

255, 255, 255


 244, 171, 255

 255, 199, 255

 255, 227, 255

 186, 117, 221

 158, 91, 193

 131, 66, 165

 104, 40, 139

 77, 12, 113

 51, 0, 88


 30, 0, 64

 0, 1, 41

 0, 1, 19


 0, 0, 0


 186, 117, 221

 186, 117, 221


 179, 95, 221

 193, 139, 221

 171, 73, 221

 201, 161, 221


 164, 51, 221

 208, 183, 221

 156, 29, 221


 216, 205, 221

 149, 7, 221

 221, 227, 225

 147, 0, 221

 221, 250, 240

 221, 255, 238

 221, 255, 230

 221, 255, 223

Harmonies

Analogous

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



95, 131, 251



186, 117, 221



231, 96, 172

Triad

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



186, 117, 221



119, 193, 27



0, 86, 175

Complementary

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



186, 117, 221



117, 221, 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, 100, 169



186, 117, 221



23, 152, 31

Square

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



186, 117, 221



229, 127, 67



65, 163, 149



0, 96, 224

Rectangle

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



186, 117, 221



243, 91, 135



65, 163, 149



0, 89, 171

Sweetspot

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



186, 117, 221



243, 219, 255



117, 144, 221



120, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



186, 117, 221



207, 112, 255



221, 117, 205



106, 99, 110



115, 0, 173



30, 0, 46

Inverse Universe

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



221, 117, 152



255, 112, 160



117, 207, 221



110, 99, 102



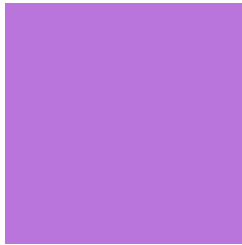
173, 0, 58



46, 0, 15

Previews

White Background



This preview shows how the RYB color 186, 117, 221 looks on a white background.

Color Contrast Check

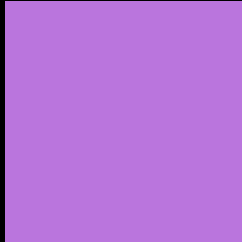
Large Text (above 18pt) WCAG AA ✓ Pass

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, 221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

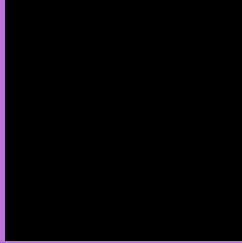
Any Text WCAG AA ✓ Pass

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, 221 Background



This preview shows how black text looks on a background with the RYB color 186, 117, 221.



This preview shows how white text looks on a background with the RYB color 186, 117, 221.

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, 221

Protanopia
103, 134, 243

Deuteranopia
115, 138, 216



Tritanopia
174, 135, 145

Trichromacy



Original Color
186, 117, 221



Protanomaly
133, 133, 235



Deuteranomaly
141, 135, 218



Tritanomaly
178, 128, 173

Monochromacy



Original Color
186, 117, 221



Achromatopsia
149, 149, 149



Achromatomaly
162, 137, 175

CSS Examples

Text

The CSS property to change the color of the text to RYB 186, 117, 221 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, 221)` looks like.

```
.text, #text, p{  
    color:rgb(186, 117, 221)  
}
```

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, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 117, 221) }
```

Border

The CSS property to change the border of an element to RYB 186, 117, 221 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, 221) }
```

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

```
.border{ border-color:rgb(186, 117, 221) }
```

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, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 117, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 117, 221);  
box-shadow:4px 4px 4px 4px rgb(186, 117,  
221) }
```

Background

The CSS property to change the background color of an element to RYB 186, 117, 221 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, 221) }
```

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

```
.background{ background-color: rgb(186,  
117, 221) }
```

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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