

Converting Colors

`RYB(187, 81, 174)`

Have a look what the booklet for
RYB(187, 81, 174) contains.

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Color

R_YB(187, 81, 174)

Conversions

Conversions Part 1

Format	Color
Hex	BB51AE
RGB	187, 81, 174
RGB Percent	73%, 32%, 68%
CMY	0.2667, 0.6824, 0.3176
CMYK	0.00, 0.57, 0.07, 0.27
HSL	307°, 44%, 53%
HSV	307°, 57%, 73%
XYZ	31.0759, 19.5056, 42.1715
YIQ	123.2960, 33.3230, 51.3950

Conversions

Conversions Part 2

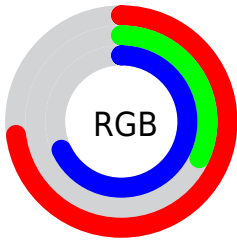
Format	Color
R_{YB}	187, 81, 174
Decimal	12276142
CIE _{Lab}	51.27, 54.48, -29.80
CIE _{LCh}	51, 62.098, 331.325
Yxy	19.5056, 0.3350, 0.2103
Android (android.graphics.Color)	4290466222 (0xFFBB51AE)
YUV	123.2960, 24.9971, 55.8684
Hunter-Lab	44.1652, 48.3087, -25.6979

Details

The RYB color **187, 81, 174** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **81, 175, 187**, and the grayscale version is **123, 123, 123**.

A 20% lighter version of the original color is **245, 135, 230**, and **131, 22, 121** is the 20% darker color. If you saturate the color by 10%, you get **187, 62, 172**, and if you desaturate by 10%, it is **187, 100, 176**.

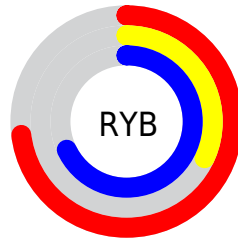
Distribution



Red (73%)

Green (32%)

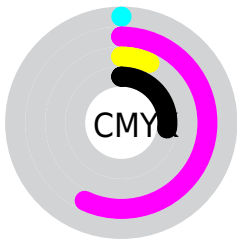
Blue (68%)



Red (73%)

Yellow (32%)

Blue (68%)

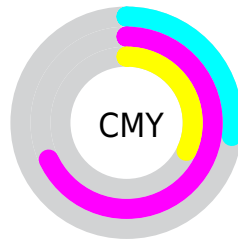


Cyan (0%)

Magenta (57%)

Yellow (7%)

Black (27%)



Cyan (27%)

Magenta (68%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the RYB color 187, 81, 174 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, 81, 174 by changing the saturation by 10% instead.



187, 81, 174



187, 81, 174

255, 255, 255



159, 53, 147



245, 135, 230



131, 22, 121



255, 163, 255



104, 0, 96



255, 191, 255



77, 0, 72



255, 220, 255



54, 0, 49



255, 249, 255



22, 0, 27



0, 0, 0



187, 81, 174



187, 81, 174



187, 62, 172



187, 100, 176

 187, 44, 169

 187, 118, 179

 187, 25, 167

 187, 137, 181

 187, 6, 165

 187, 156, 183

 187, 0, 164

 187, 174, 185

 187, 192, 193

 187, 209, 212

 187, 227, 231

 187, 242, 249

Harmonies

Analogous

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



123, 107, 214



187, 81, 174



214, 65, 122

Triad

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



187, 81, 174



29, 145, 0



0, 80, 176

Complementary

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



187, 81, 174



81, 175, 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, 79, 146



187, 81, 174



11, 135, 55

Square

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



187, 81, 174



186, 173, 21



0, 97, 143



0, 85, 215

Rectangle

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



187, 81, 174



215, 70, 87



0, 97, 143



0, 76, 159

Sweetspot

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



187, 81, 174



242, 201, 237



93, 81, 187



122, 98, 119



250, 250, 250



122, 122, 122

Same Dimension

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



187, 81, 174



242, 78, 222



187, 81, 122



94, 85, 93



158, 0, 139



31, 0, 27

Inverse Universe

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



187, 81, 174



242, 78, 222



81, 147, 187



94, 85, 93



158, 0, 139



31, 0, 27

Previews

White Background



This preview shows how the RYB color 187, 81, 174 looks on a white background.

Color Contrast Check

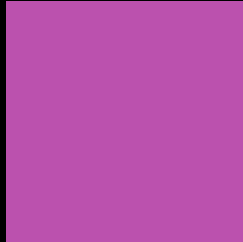
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81, 174 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, 81, 174 Background



This preview shows how black text looks on a background with the RYB color 187, 81, 174.

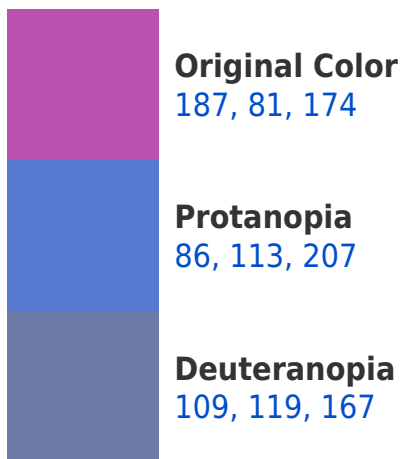


This preview shows how white text looks on a background with the RYB color 187, 81, 174.

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
179, 98, 106

Trichromacy



Original Color
187, 81, 174

Protanomaly
123, 106, 195

Deuteranomaly
137, 106, 170

Tritanomaly
182, 92, 131

Monochromacy



Original Color
187, 81, 174

Achromatopsia
123, 123, 123

Achromatomaly
146, 108, 142

CSS Examples

Text

The CSS property to change the color of the text to RYB 187, 81, 174 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, 81, 174)` looks like.

```
.text, #text, p{  
    color:rgb(187, 81, 174)  
}
```

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, 81, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 81, 174) }
```

Border

The CSS property to change the border of an element to RYB 187, 81, 174 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, 81, 174) }
```

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

```
.border{ border-color:rgb(187, 81, 174) }
```

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

Here you see how a box with a 4 pixel rgb(187, 81, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 81, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 81, 174);  
box-shadow:4px 4px 4px 4px rgb(187, 81,  
174) }
```

Background

The CSS property to change the background color of an element to RGB 187, 81, 174 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 81, 174) }
```

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

```
.background{ background-color: rgb(187, 81,  
174) }
```

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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