

Converting Colors

`RYB(187, 129, 174)`

Have a look what the booklet for
RYB(187, 129, 174) contains.

RYB(187, 129, 174)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(187, 129, 174)

Conversions

Conversions Part 1

Format	Color
Hex	BB81AE
RGB	187, 129, 174
RGB Percent	73%, 51%, 68%
CMY	0.2667, 0.4941, 0.3176
CMYK	0.00, 0.31, 0.07, 0.27
HSL	313°, 30%, 62%
HSV	313°, 31%, 73%
XYZ	35.9838, 29.3213, 43.8074
YIQ	151.4720, 20.1230, 26.2910

Conversions

Conversions Part 2

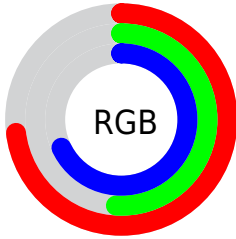
Format	Color
RYB	187, 129, 174
Decimal	12288430
CIELab	61.06, 29.54, -14.78
CIElCh	61, 33.027, 333.419
Yxy	29.3213, 0.3298, 0.2687
Android (android.graphics.Color)	4290478510 (0xFFBB81AE)
YUV	151.4720, 11.1063, 31.1581
Hunter-Lab	54.1491, 23.8577, -10.0620

Details

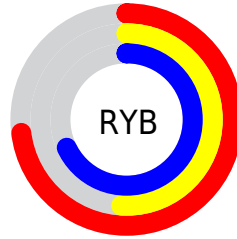
The RYB color **187, 129, 174** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **129, 176, 187**, and the grayscale version is **151, 151, 151**.

A 20% lighter version of the original color is **244, 183, 230**, and **133, 79, 122** is the 20% darker color. If you saturate the color by 10%, you get **187, 110, 170**, and if you desaturate by 10%, it is **187, 148, 178**.

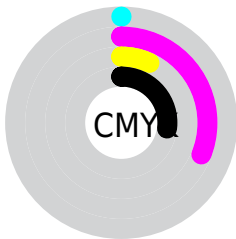
Distribution



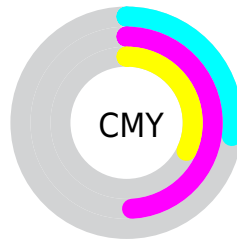
- Red (73%)
- Green (51%)
- Blue (68%)



- Red (73%)
- Yellow (51%)
- Blue (68%)



- Cyan (0%)
- Magenta (31%)
- Yellow (7%)
- Black (27%)




- Cyan (27%)
- Magenta (49%)
- Yellow (32%)


Brightness & Saturation Gradients

These gradients show how the RYB color 187, 129, 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, 129, 174 by changing the saturation by 10% instead.

 187, 129, 174

255, 255, 255

 244, 183, 230

 255, 210, 255

 255, 239, 255

 187, 129, 174

 160, 103, 147

 133, 79, 122

 107, 55, 97

 82, 31, 73

 58, 7, 50

 38, 0, 30

 0, 0, 0

 187, 129, 174

 187, 110, 170

 187, 129, 174

 187, 148, 178

 187, 92, 166

 187, 166, 182

 187, 73, 161

 187, 185, 187

 187, 54, 157

 187, 201, 204

 187, 35, 153

 187, 216, 223

 187, 17, 149

 187, 231, 241

 187, 0, 145

 187, 242, 255

 187, 239, 255

 187, 237, 255

Harmonies

Analogous

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



155, 139, 196



187, 129, 174



203, 125, 145

Triad

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



187, 129, 174



111, 164, 89



28, 99, 179

Complementary

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



187, 129, 174



129, 176, 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.



58, 114, 163



187, 129, 174



98, 155, 120

Square

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



187, 129, 174



188, 170, 96



97, 144, 161



61, 118, 199

Rectangle

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



187, 129, 174



204, 126, 126



97, 144, 161



34, 100, 170

Sweetspot

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



187, 129, 174



242, 220, 237



142, 129, 187



122, 109, 119



250, 250, 250



122, 122, 122

Same Dimension

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



187, 129, 174



242, 153, 222



187, 129, 145



94, 85, 92



158, 0, 123



31, 0, 24

Inverse Universe

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



187, 129, 174



242, 153, 222



129, 163, 187



94, 85, 92



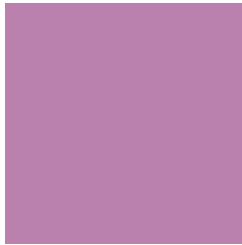
158, 0, 123



31, 0, 24

Previews

White Background



This preview shows how the RYB color 187, 129, 174 looks on a white background.

Color Contrast Check

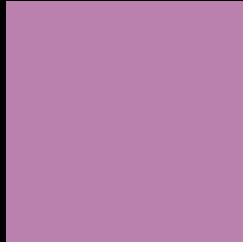
Large Text (above 18pt) WCAG AA ✓ Pass

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, 129, 174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

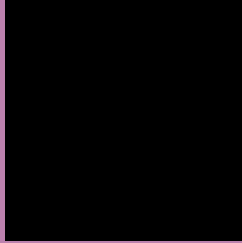
Any Text WCAG AA ✓ Pass

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, 129, 174 Background



This preview shows how black text looks on a background with the RYB color 187, 129, 174.



This preview shows how white text looks on a background with the RYB color 187, 129, 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



Original Color
187, 129, 174

Protanopia
138, 145, 186

Deuteranopia
151, 144, 171



Tritanopia

183, 134, 145

Trichromacy



Original Color
187, 129, 174

Protanomaly
156, 140, 182

Deuteranomaly
164, 139, 172

Tritanomaly
184, 132, 156

Monochromacy



Original Color
187, 129, 174

Achromatopsia
151, 151, 151

Achromatomaly
164, 143, 159

CSS Examples

Text

The CSS property to change the color of the text to RYB 187, 129, 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, 129, 174)` looks like.

```
.text, #text, p{  
    color:rgb(187, 129, 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, 129, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 129, 174) }
```

Border

The CSS property to change the border of an element to RYB 187, 129, 174 is called "border". The border property can be set on classes, ids or directly on the HTML element.

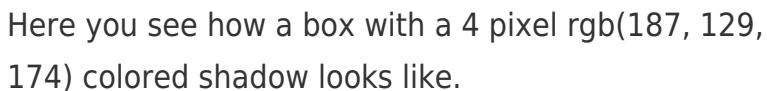
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 129, 174) }
```

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

```
.border{ border-color:rgb(187, 129, 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, 129, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 129, 174); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 129, 174); box-shadow:4px 4px 4px 4px rgb(187, 129, 174) }
```

Background

The CSS property to change the background color of an element to RYB 187, 129, 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, 129, 174) }
```

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

```
.background{ background-color: rgb(187,  
129, 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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