

Converting Colors

`RYB(187, 133, 175)`

Have a look what the booklet for
RYB(187, 133, 175) contains.

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Color

R_YB(187, 133, 175)

Conversions

Conversions Part 1

Format	Color
Hex	BB85AF
RGB	187, 133, 175
RGB Percent	73%, 52%, 69%
CMY	0.2667, 0.4784, 0.3137
CMYK	0.00, 0.29, 0.06, 0.27
HSL	313°, 28%, 63%
HSV	313°, 29%, 73%
XYZ	36.6189, 30.4350, 44.5020
YIQ	153.9340, 18.7020, 24.5100

Conversions

Conversions Part 2

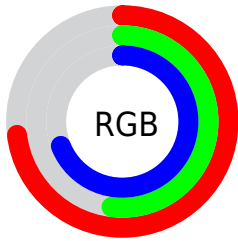
Format	Color
RYB	187, 133, 175
Decimal	12289455
CIELab	62.03, 27.50, -13.89
CIElCh	62, 30.809, 333.196
Yxy	30.4350, 0.3283, 0.2728
Android (android.graphics.Color)	4290479535 (0xFFBB85AF)
YUV	153.9340, 10.3855, 28.9989
Hunter-Lab	55.1679, 21.9394, -9.2095

Details

The RYB color **187, 133, 175** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **133, 177, 187**, and the grayscale version is **154, 154, 154**.

A 20% lighter version of the original color is **244, 187, 231**, and **133, 83, 122** is the 20% darker color. If you saturate the color by 10%, you get **187, 114, 171**, and if you desaturate by 10%, it is **187, 152, 179**.

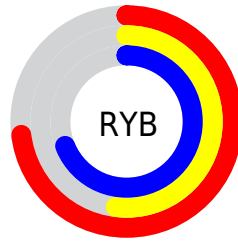
Distribution



Red (73%)

Green (52%)

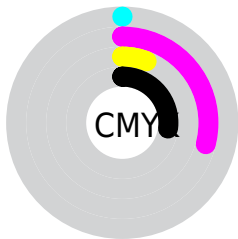
Blue (69%)



Red (73%)

Yellow (52%)

Blue (69%)

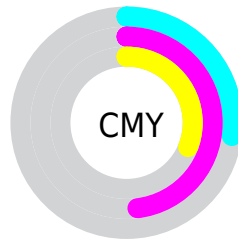


Cyan (0%)

Magenta (29%)

Yellow (6%)

Black (27%)



Cyan (27%)

Magenta (48%)

Yellow (31%)


Brightness & Saturation Gradients

These gradients show how the RYB color 187, 133, 175 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, 133, 175 by changing the saturation by 10% instead.

 187, 133, 175


255, 255, 255

 244, 187, 231

 255, 215, 255

 255, 243, 255

 187, 133, 175

 160, 107, 148

 133, 83, 122


 107, 59, 98

 82, 36, 74


 58, 12, 51


 38, 0, 30

 0, 0, 0

 187, 133, 175

 187, 114, 171

 187, 133, 175

 187, 152, 179

 187, 96, 167

 187, 170, 183

 187, 77, 163

 187, 189, 189

 187, 58, 158

 187, 204, 208

 187, 40, 154

 187, 220, 227

 187, 21, 150

 187, 234, 245

 187, 2, 146

 187, 241, 255

 187, 0, 145

 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.



157, 142, 196



187, 133, 175



202, 129, 148

Triad

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



187, 133, 175



117, 166, 95



52, 112, 179

Complementary

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



187, 133, 175



133, 177, 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.



71, 121, 165



187, 133, 175



103, 157, 123

Square

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



187, 133, 175



189, 169, 102



104, 148, 163



75, 125, 198

Rectangle

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



187, 133, 175



204, 130, 130



104, 148, 163



55, 111, 170

Sweetspot

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



187, 133, 175



242, 220, 237



145, 133, 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, 133, 175



242, 157, 223



187, 133, 148



94, 85, 92



158, 0, 123



31, 0, 24

Inverse Universe

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



187, 133, 175



242, 157, 223



133, 164, 187



94, 85, 92



158, 0, 123



31, 0, 24

Previews

White Background



This preview shows how the RYB color 187, 133, 175 looks on a white background.

Color Contrast Check

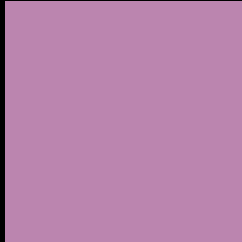
Large Text (above 18pt) WCAG AA × Fail

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, 133, 175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

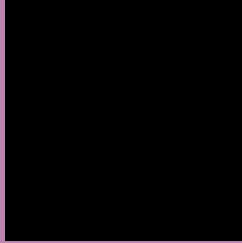
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 187, 133, 175 Background



This preview shows how black text looks on a background with the RYB color 187, 133, 175.

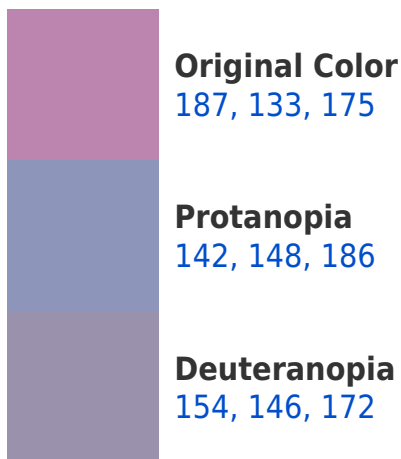


This preview shows how white text looks on a background with the RYB color 187, 133, 175.

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

184, 138, 148

Trichromacy



Original Color
187, 133, 175

Protanomaly
158, 143, 182

Deuteranomaly
166, 141, 173

Tritanomaly
185, 136, 158

Monochromacy



Original Color
187, 133, 175

Achromatopsia
154, 154, 154

Achromatomaly
166, 146, 162

CSS Examples

Text

The CSS property to change the color of the text to RYB 187, 133, 175 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, 133, 175)` looks like.

```
.text, #text, p{  
    color:rgb(187, 133, 175)  
}
```

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, 133, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 133, 175) }
```

Border

The CSS property to change the border of an element to RYB 187, 133, 175 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, 133, 175) }
```

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

```
.border{ border-color:rgb(187, 133, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 133, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 133, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 133, 175);  
box-shadow:4px 4px 4px 4px rgb(187, 133,  
175) }
```

Background

The CSS property to change the background color of an element to RYB 187, 133, 175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 133, 175) }
```

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

```
.background{ background-color: rgb(187,  
133, 175) }
```

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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