

Converting Colors

`RYB(187, 157, 255)`

Have a look what the booklet for
RYB(187, 157, 255) contains.

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Color

R_YB(187, 157, 255)

Conversions

Conversions Part 1

Format	Color
Hex	BB9DFF
RGB	187, 157, 255
RGB Percent	73%, 62%, 100%
CMY	0.2667, 0.3843, 0.0000
CMYK	0.27, 0.38, 0.00, 0.00
HSL	258°, 100%, 81%
HSV	258°, 38%, 100%
XYZ	50.6005, 41.8987, 100.0281
YIQ	177.1420, -13.5780, 36.8380

Conversions

Conversions Part 2

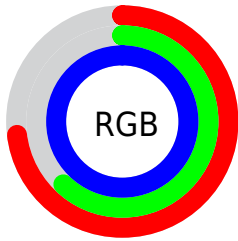
Format	Color
RYB	187, 157, 255
Decimal	12295679
CIELab	70.80, 31.09, -44.77
CIELCh	71, 54.507, 304.783
Yxy	41.8987, 0.2628, 0.2176
Android (android.graphics.Color)	4290485759 (0xFFBB9DFF)
YUV	177.1420, 38.3840, 8.6455
Hunter-Lab	64.7292, 26.2618, -46.3122

Details

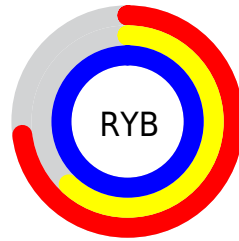
The RYB color **187, 157, 255** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **157, 255, 187**, and the grayscale version is **177, 177, 177**.

A 20% lighter version of the original color is **245, 212, 255**, and **132, 105, 198** is the 20% darker color. If you saturate the color by 10%, you get **169, 132, 255**, and if you desaturate by 10%, it is **205, 183, 255**.

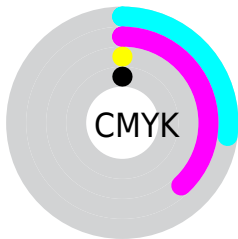
Distribution



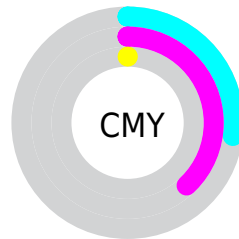
- Red (73%)
- Green (62%)
- Blue (100%)



- Red (73%)
- Yellow (62%)
- Blue (100%)



- Cyan (27%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)




- Cyan (27%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 187, 157, 255 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, 157, 255 by changing the saturation by 10% instead.


 187, 157, 255

 187, 157, 255

255, 255, 255

 159, 131, 226


 245, 212, 255


 132, 105, 198

 255, 240, 255

 105, 81, 170

 78, 57, 143

 51, 35, 117

 21, 13, 92

 0, 0, 68

 0, 3, 45

 0, 1, 23

■ 187, 157, 255

■ 187, 157, 255

■ 169, 132, 255

■ 205, 183, 255

■ 152, 106, 255

■ 222, 208, 255

■ 134, 81, 255

■ 240, 234, 255

■ 116, 55, 255

255, 255, 255

■ 99, 29, 255

■ 81, 4, 255

■ 78, 0, 255

Harmonies

Analogous

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



96, 149, 255



187, 157, 255



241, 138, 216

Triad

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



187, 157, 255



235, 220, 83



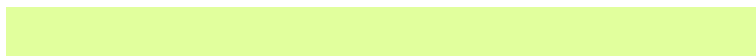
0, 104, 198

Complementary

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



187, 157, 255



157, 255, 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, 155, 195



187, 157, 255



95, 194, 70

Square

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



187, 157, 255



255, 141, 119



88, 187, 133



0, 106, 228

Rectangle

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



187, 157, 255



255, 131, 184



88, 187, 133



0, 109, 198

Sweetspot

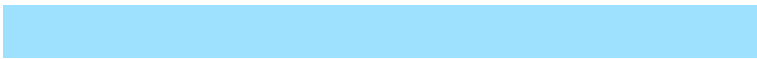
The Sweet Spot groups the original color and five complimentary colors.



187, 157, 255



234, 224, 255



157, 197, 255



115, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



187, 157, 255



174, 138, 255



235, 157, 255



119, 115, 128



59, 0, 191



20, 0, 64

Inverse Universe

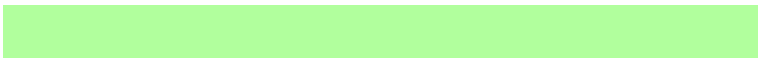
The Inverse Universe completely reimagines the original color for something new.



255, 157, 225



255, 138, 219



157, 255, 235



128, 115, 124



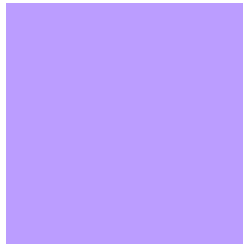
191, 0, 133



64, 0, 44

Previews

White Background



This preview shows how the RYB color 187, 157, 255 looks on a white background.

Color Contrast Check

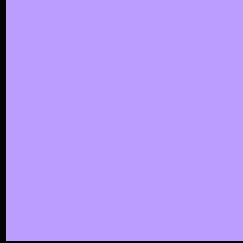
Large Text (above 18pt) WCAG AA × Fail

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, 157, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

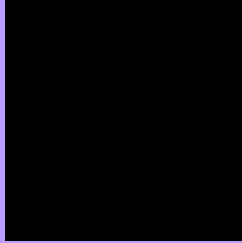
Any Text WCAG AA ✓ Pass

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, 157, 255 Background



This preview shows how black text looks on a background with the RYB color 187, 157, 255.



This preview shows how white text looks on a background with the RYB color 187, 157, 255.

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, 157, 255

Protanopia
144, 166, 255

Deuteranopia
141, 165, 252



Tritanopia

174, 172, 185

Trichromacy



Original Color
187, 157, 255

Protanomaly
160, 166, 255

Deuteranomaly
158, 166, 253

Tritanomaly
179, 167, 210

Monochromacy



Original Color
187, 157, 255

Achromatopsia
177, 177, 177

Achromatomaly
181, 170, 205

CSS Examples

Text

The CSS property to change the color of the text to RYB 187, 157, 255 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, 157, 255)` looks like.

```
.text, #text, p{  
  color:rgb(187, 157, 255)  
}
```

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, 157, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 157, 255) }
```

Border

The CSS property to change the border of an element to RYB 187, 157, 255 is called "border". The border property can be set on classes, ids or directly on the HTML element.

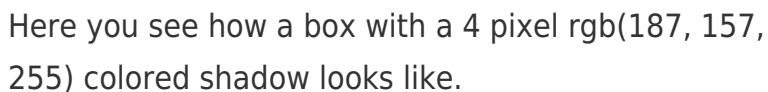
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 157, 255) }
```

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

```
.border{ border-color:rgb(187, 157, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 157, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 157, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 157, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 157,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 187, 157, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 157, 255) }
```

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

```
.background{ background-color: rgb(187,  
157, 255) }
```

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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