

Converting Colors

`RYB(185, 127, 237)`

Have a look what the booklet for
RYB(185, 127, 237) contains.

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Color

R_YB(185, 127, 237)

Conversions

Conversions Part 1

Format	Color
Hex	B97FED
RGB	185, 127, 237
RGB Percent	73%, 50%, 93%
CMY	0.2745, 0.5020, 0.0706
CMYK	0.22, 0.46, 0.00, 0.07
HSL	272°, 75%, 71%
HSV	272°, 46%, 93%
XYZ	42.8830, 31.6075, 83.9614
YIQ	156.8820, -0.7420, 46.5060

Conversions

Conversions Part 2

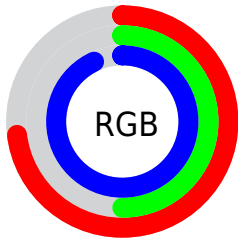
Format	Color
RYB	185, 127, 237
Decimal	12156909
CIELab	63.02, 42.90, -47.17
CIELCh	63, 63.755, 312.287
Yxy	31.6075, 0.2706, 0.1995
Android (android.graphics.Color)	4290346989 (0xFFB97FED)
YUV	156.8820, 39.4982, 24.6595
Hunter-Lab	56.2205, 37.7676, -49.1911

Details

The RYB color **185, 127, 237** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **127, 237, 185**, and the grayscale version is **157, 157, 157**.

A 20% lighter version of the original color is **243, 181, 255**, and **129, 76, 181** is the 20% darker color. If you saturate the color by 10%, you get **174, 103, 237**, and if you desaturate by 10%, it is **196, 151, 237**.

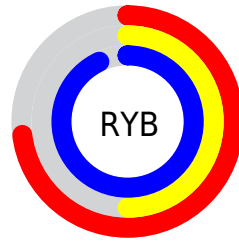
Distribution



Red (73%)

Green (50%)

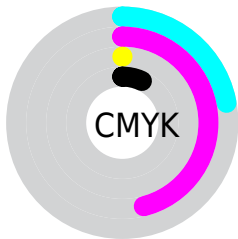
Blue (93%)



Red (73%)

Yellow (50%)

Blue (93%)

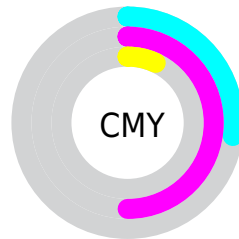


Cyan (22%)

Magenta (46%)

Yellow (0%)

Black (7%)



Cyan (27%)


Magenta (50%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 185, 127, 237 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 185, 127, 237 by changing the saturation by 10% instead.

 185, 127, 237

255, 255, 255

 243, 181, 255


 255, 209, 255

 255, 238, 255

 185, 127, 237

 157, 101, 208

 129, 76, 181

 102, 51, 153

 76, 26, 127

 49, 0, 101

 22, 0, 77

 0, 0, 53

 0, 2, 31


 0, 0, 2

 185, 127, 237


 185, 127, 237


 174, 103, 237


 196, 151, 237

 163, 80, 237

 207, 174, 237

 151, 56, 237

 219, 198, 237

 140, 32, 237

 230, 222, 237

 129, 9, 237

 237, 246, 242

 125, 0, 237

 237, 255, 240

 237, 255, 237

Harmonies

Analogous

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



79, 130, 255



185, 127, 237



238, 104, 188

Triad

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



185, 127, 237



158, 209, 35



0, 91, 179

Complementary

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



185, 127, 237



127, 237, 185

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, 107, 177



185, 127, 237



25, 159, 23

Square

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



185, 127, 237



243, 123, 79



62, 170, 136



0, 100, 228

Rectangle

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



185, 127, 237



253, 97, 151



62, 170, 136



0, 96, 179

Sweetspot

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



185, 127, 237



238, 219, 255



127, 163, 237



117, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



185, 127, 237



187, 112, 255



237, 127, 235



112, 106, 117



95, 0, 181



28, 0, 54

Inverse Universe

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



237, 127, 179



255, 112, 180



127, 235, 237



117, 106, 111



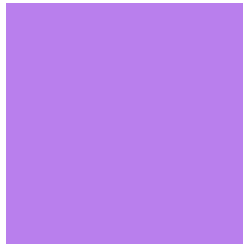
181, 0, 86



54, 0, 25

Previews

White Background



This preview shows how the RYB color 185, 127, 237 looks on a white background.

Color Contrast Check

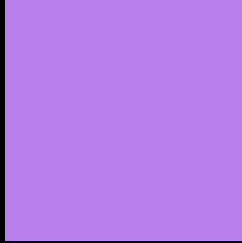
Large Text (above 18pt) WCAG AA × Fail

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 185, 127, 237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

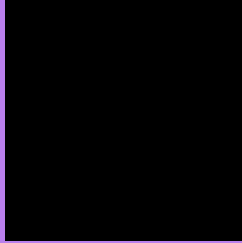
Any Text WCAG AA ✓ Pass

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 185, 127, 237 Background



This preview shows how black text looks on a background with the RYB color 185, 127, 237.

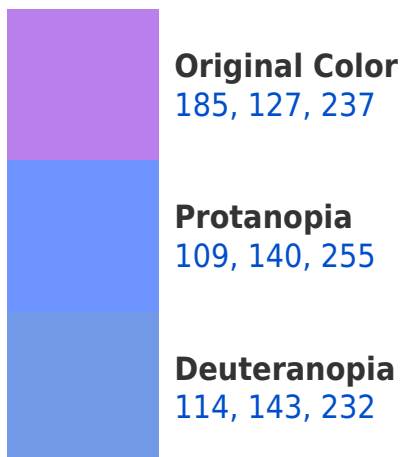


This preview shows how white text looks on a background with the RYB color 185, 127, 237.

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
171, 145, 157

Trichromacy



Original Color
185, 127, 237



Protanomaly
137, 141, 248



Deuteranomaly
140, 143, 234



Tritanomaly
176, 138, 186

Monochromacy



Original Color
185, 127, 237



Achromatopsia
157, 157, 157



Achromatomaly
167, 146, 186

CSS Examples

Text

The CSS property to change the color of the text to RYB 185, 127, 237 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(185, 127, 237)` looks like.

```
.text, #text, p{  
    color:rgb(185, 127, 237)  
}
```

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(185, 127, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 127, 237) }
```

Border

The CSS property to change the border of an element to RYB 185, 127, 237 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(185, 127, 237) }
```

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

```
.border{ border-color:rgb(185, 127, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 127, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 127, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 127, 237);  
box-shadow:4px 4px 4px 4px rgb(185, 127,  
237) }
```

Background

The CSS property to change the background color of an element to RYB 185, 127, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 127, 237) }
```

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

```
.background{ background-color: rgb(185,  
127, 237) }
```

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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