

Converting Colors

`RYB(183, 126, 255)`

Have a look what the booklet for
RYB(183, 126, 255) contains.

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Color

R_YB(183, 126, 255)

Conversions

Conversions Part 1

Format	Color
Hex	B77EFF
RGB	183, 126, 255
RGB Percent	72%, 49%, 100%
CMY	0.2824, 0.5059, 0.0000
CMYK	0.28, 0.51, 0.00, 0.00
HSL	267°, 100%, 75%
HSV	267°, 51%, 100%
XYZ	45.0393, 32.2090, 98.4509
YIQ	157.7490, -7.4370, 52.2030

Conversions

Conversions Part 2

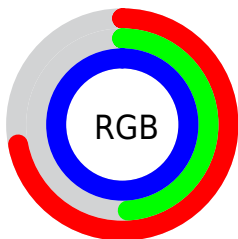
Format	Color
RYB	183, 126, 255
Decimal	12025599
CIELab	63.52, 47.07, -56.30
CIElCh	64, 73.388, 309.899
Yxy	32.2090, 0.2563, 0.1833
Android (android.graphics.Color)	4290215679 (0xFFB77EFF)
YUV	157.7490, 47.9447, 22.1451
Hunter-Lab	56.7530, 42.3404, -63.1249

Details

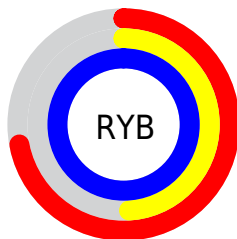
The RYB color **183, 126, 255** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **126, 255, 183**, and the grayscale version is **157, 157, 157**.

A 20% lighter version of the original color is **242, 180, 255**, and **126, 75, 198** is the 20% darker color. If you saturate the color by 10%, you get **169, 101, 255**, and if you desaturate by 10%, it is **197, 152, 255**.

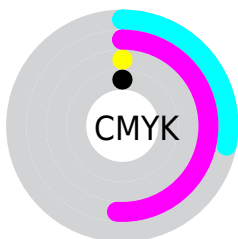
Distribution



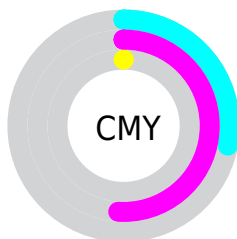
- Red (72%)
- Green (49%)
- Blue (100%)



- Red (72%)
- Yellow (49%)
- Blue (100%)



- Cyan (28%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)



- Cyan (28%)
- Magenta (51%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the RYB color 183, 126, 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 183, 126, 255 by changing the saturation by 10% instead.

 183, 126, 255


255, 255, 255


 242, 180, 255

 255, 208, 255

 255, 237, 255

 183, 126, 255


 154, 100, 226

 126, 75, 198

 98, 50, 170


 70, 24, 143

 40, 0, 116

 1, 0, 91

 0, 0, 67

 0, 3, 43


 0, 1, 22


 183, 126, 255


 183, 126, 255

 169, 101, 255


 197, 152, 255

 155, 75, 255


 211, 177, 255

 140, 49, 255

 226, 203, 255

 126, 24, 255

 240, 228, 255

 113, 0, 255

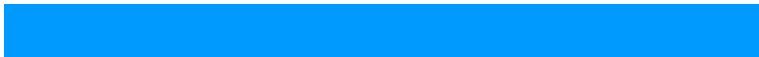
254, 254, 255

255, 255, 255

Harmonies

Analogous

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



0, 96, 255



183, 126, 255



247, 95, 200

Triad

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



183, 126, 255



143, 219, 3



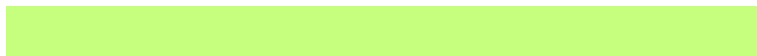
0, 95, 184

Complementary

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



183, 126, 255



126, 255, 183

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, 114, 181



183, 126, 255



6, 164, 0

Square

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



183, 126, 255



255, 112, 73



40, 173, 121



0, 103, 237

Rectangle

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



183, 126, 255



255, 84, 157



40, 173, 121



0, 100, 183

Sweetspot

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



183, 126, 255



234, 217, 255



126, 173, 255



115, 105, 128



0, 0, 0



128, 128, 128

Same Dimension

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



183, 126, 255



168, 99, 255



246, 126, 255



120, 115, 128



85, 0, 191



28, 0, 64

Inverse Universe

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



255, 126, 198



255, 99, 186



126, 255, 246



128, 115, 122



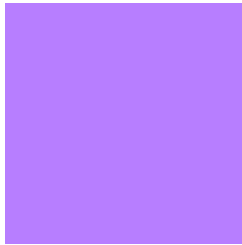
191, 0, 107



64, 0, 36

Previews

White Background



This preview shows how the RYB color 183, 126, 255 looks on a white background.

Color Contrast Check

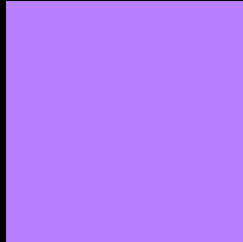
Large Text (above 18pt) WCAG AA × Fail

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 183, 126, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

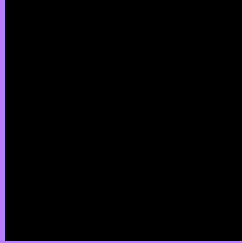
Any Text WCAG AA ✓ Pass

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 183, 126, 255 Background



This preview shows how black text looks on a background with the RYB color 183, 126, 255.

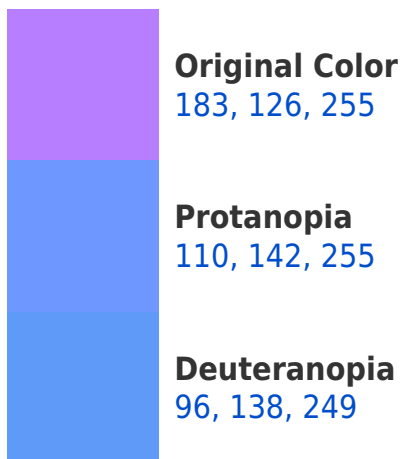



This preview shows how white text looks on a background with the RYB color 183, 126, 255.

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





Tritanopia
165, 149, 161

Trichromacy



Original Color
183, 126, 255



Protanomaly
137, 142, 255



Deuteranomaly
128, 142, 251



Tritanomaly
172, 141, 195

Monochromacy



Original Color
183, 126, 255



Achromatopsia
158, 158, 158



Achromatomaly
167, 146, 193

CSS Examples

Text

The CSS property to change the color of the text to RYB 183, 126, 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(183, 126, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 126, 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(183, 126, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 126, 255) }
```

Border

The CSS property to change the border of an element to RYB 183, 126, 255 is called "border". The border property can be set on classes, ids or directly on the HTML element.

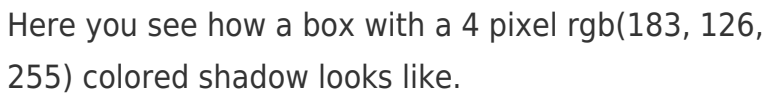
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 126, 255) }
```

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

```
.border{ border-color:rgb(183, 126, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(183, 126, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 126, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 126, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 126,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 183, 126, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 126, 255) }
```

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

```
.background{ background-color: rgb(183,  
126, 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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