

Converting Colors

`RYB(176, 147, 255)`

Have a look what the booklet for
RYB(176, 147, 255) contains.

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Color

R_YB(176, 147, 255)

Conversions

Conversions Part 1

Format	Color
Hex	B093FF
RGB	176, 147, 255
RGB Percent	69%, 58%, 100%
CMY	0.3098, 0.4235, 0.0000
CMYK	0.31, 0.42, 0.00, 0.00
HSL	256°, 100%, 79%
HSV	256°, 42%, 100%
XYZ	46.3882, 37.3175, 99.3658
YIQ	167.9830, -17.3840, 39.7360

Conversions

Conversions Part 2

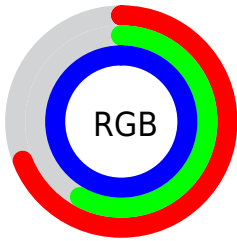
Format	Color
R_{YB}	176, 147, 255
Decimal	11572223
CIE _{Lab}	67.51, 33.69, -50.00
CIE _{LCh}	68, 60.293, 303.969
Yxy	37.3175, 0.2534, 0.2038
Android (android.graphics.Color)	4289762303 (0xFFB093FF)
YUV	167.9830, 42.8994, 7.0309
Hunter-Lab	61.0881, 28.6427, -53.6794

Details

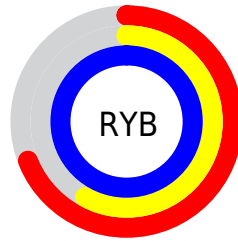
The RYB color **176, 147, 255** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **147, 255, 176**, and the grayscale version is **168, 168, 168**.

A 20% lighter version of the original color is **234, 201, 255**, and **120, 96, 198** is the 20% darker color. If you saturate the color by 10%, you get **157, 122, 255**, and if you desaturate by 10%, it is **195, 172, 255**.

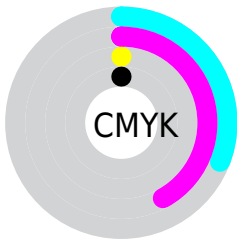
Distribution



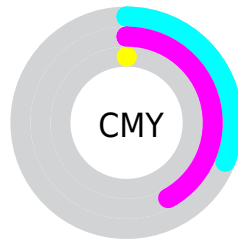
- Red (69%)
- Green (58%)
- Blue (100%)



- Red (69%)
- Yellow (58%)
- Blue (100%)



- Cyan (31%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 176, 147, 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 176, 147, 255 by changing the saturation by 10% instead.

 176, 147, 255

255, 255, 255

 234, 201, 255

 255, 230, 255

 176, 147, 255

 148, 121, 226

 120, 96, 198

 93, 72, 170


 65, 49, 143


 36, 27, 117

 0, 5, 92


 0, 0, 68

 0, 3, 44

 0, 1, 23

 176, 147, 255


 176, 147, 255

 157, 122, 255


 195, 172, 255


 139, 96, 255

 213, 198, 255

 120, 70, 255


 232, 224, 255

 101, 45, 255

 251, 249, 255

 83, 19, 255

255, 255, 255

 68, 0, 255

Harmonies

Analogous

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



56, 128, 255



176, 147, 255



236, 125, 213

Triad

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



176, 147, 255



231, 216, 65



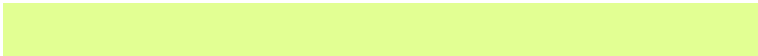
0, 101, 191

Complementary

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



176, 147, 255



147, 255, 176

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.



40, 138, 187



176, 147, 255



73, 187, 46

Square

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



176, 147, 255



255, 126, 107



68, 179, 116



0, 103, 224

Rectangle

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



176, 147, 255



255, 116, 178



68, 179, 116



0, 106, 190

Sweetspot

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



176, 147, 255



231, 222, 255



147, 193, 255



113, 107, 128



0, 0, 0



128, 128, 128

Same Dimension

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



176, 147, 255



160, 125, 255



230, 147, 255



118, 115, 128



51, 0, 191



17, 0, 64

Inverse Universe

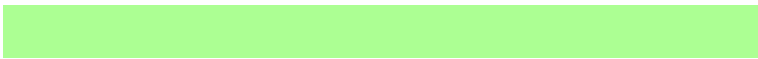
The Inverse Universe completely reimagines the original color for something new.



255, 147, 226



255, 125, 220



147, 255, 230



128, 115, 124



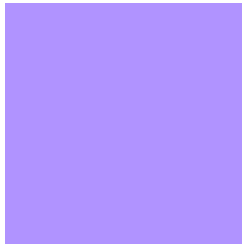
191, 0, 140



64, 0, 47

Previews

White Background



This preview shows how the RYB color 176, 147, 255 looks on a white background.

Color Contrast Check

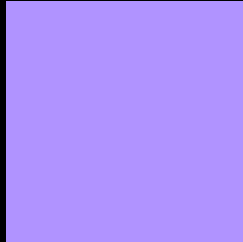
Large Text (above 18pt) WCAG AA × Fail

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 176, 147, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

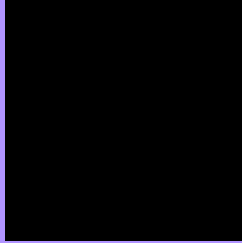
Any Text WCAG AA ✓ Pass

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 176, 147, 255 Background



This preview shows how black text looks on a background with the RYB color 176, 147, 255.



This preview shows how white text looks on a background with the RYB color 176, 147, 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](#).

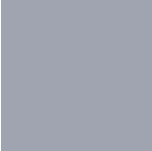
Dichromacy



Original Color
176, 147, 255

Protanopia
130, 155, 255

Deuteranopia
121, 153, 251



Tritanopia
160, 163, 177

Trichromacy



Original Color
176, 147, 255

Protanomaly
147, 155, 255

Deuteranomaly
141, 156, 252

Tritanomaly
166, 158, 205

Monochromacy



Original Color
176, 147, 255

Achromatopsia
168, 168, 168

Achromatomaly
171, 160, 200

CSS Examples

Text

The CSS property to change the color of the text to RYB 176, 147, 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(176, 147, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 147, 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(176, 147, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 147, 255) }
```

Border

The CSS property to change the border of an element to RYB 176, 147, 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(176, 147, 255) }
```

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

```
.border{ border-color:rgb(176, 147, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 147, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 147, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 147, 255);  
box-shadow:4px 4px 4px 4px rgb(176, 147,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 176, 147, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 147, 255) }
```

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

```
.background{ background-color: rgb(176,  
147, 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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