

Converting Colors

`RYB(228, 181, 253)`

Have a look what the booklet for
RYB(228, 181, 253) contains.

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Color

R_YB(228, 181, 253)

Conversions

Conversions Part 1

Format	Color
Hex	E4B5FD
RGB	228, 181, 253
RGB Percent	89%, 71%, 99%
CMY	0.1059, 0.2902, 0.0078
CMYK	0.10, 0.28, 0.00, 0.01
HSL	279°, 95%, 85%
HSV	279°, 28%, 99%
XYZ	66.2484, 56.6336, 100.3682
YIQ	203.2610, 4.9000, 32.3560

Conversions

Conversions Part 2

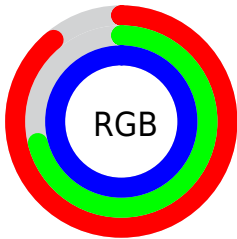
Format	Color
R _Y B	228, 181, 253
Decimal	14988797
CIE Lab	79.97, 29.64, -29.17
CIE LCh	80, 41.590, 315.456
Yxy	56.6336, 0.2967, 0.2537
Android (android.graphics.Color)	4293178877 (0xFFE4B5FD)
YUV	203.2610, 24.5213, 21.6961
Hunter-Lab	75.2553, 25.4396, -26.3966

Details

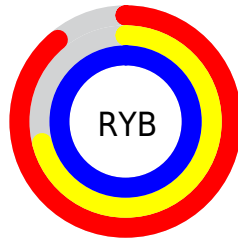
The RYB color **228, 181, 253** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **181, 253, 228**, and the grayscale version is **203, 203, 203**.

A 20% lighter version of the original color is **255, 237, 255**, and **172, 128, 196** is the 20% darker color. If you saturate the color by 10%, you get **219, 156, 253**, and if you desaturate by 10%, it is **237, 206, 253**.

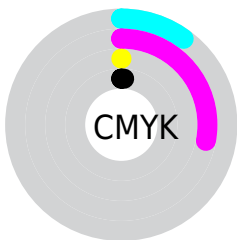
Distribution



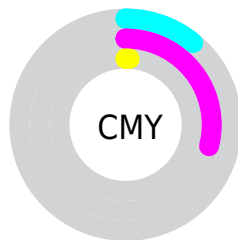
- Red (89%)
- Green (71%)
- Blue (99%)



- Red (89%)
- Yellow (71%)
- Blue (99%)



- Cyan (10%)
- Magenta (28%)
- Yellow (0%)
- Black (1%)



- Cyan (11%)
- Magenta (29%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the RYB color 228, 181, 253 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 228, 181, 253 by changing the saturation by 10% instead.

 228, 181, 253

255, 255, 255

 255, 237, 255

 228, 181, 253


 200, 154, 224

 172, 128, 196

 145, 102, 169


 118, 78, 142

 93, 54, 116

 68, 31, 91

 44, 8, 68

 27, 0, 45

 0, 1, 23

■ 228, 181, 253

■ 228, 181, 253

■ 219, 156, 253

■ 237, 206, 253

■ 210, 130, 253

■ 246, 232, 253

■ 202, 105, 253

253, 255, 254

■ 193, 80, 253

253, 255, 253

■ 184, 55, 253

■ 175, 29, 253

■ 167, 4, 253

■ 165, 0, 253

Harmonies

Analogous

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



175, 191, 255



228, 181, 253



255, 170, 219

Triad

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



228, 181, 253



216, 241, 123



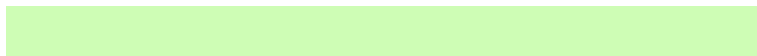
57, 138, 219

Complementary

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



228, 181, 253



181, 253, 228

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.



111, 177, 218



228, 181, 253



124, 204, 122

Square

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



228, 181, 253



255, 188, 145



143, 212, 195



45, 139, 252

Rectangle

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



228, 181, 253



255, 168, 193



143, 212, 195



75, 151, 219

Sweetspot

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



228, 181, 253



247, 232, 255



181, 200, 253



123, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



228, 181, 253



225, 168, 255



253, 181, 242



123, 115, 128



125, 0, 191



42, 0, 64

Inverse Universe

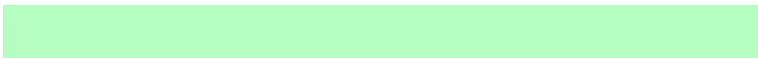
The Inverse Universe completely reimagines the original color for something new.



253, 181, 206



255, 168, 198



181, 243, 253



128, 115, 119



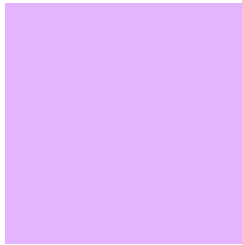
191, 0, 66



64, 0, 22

Previews

White Background



This preview shows how the RYB color 228, 181, 253 looks on a white background.

Color Contrast Check

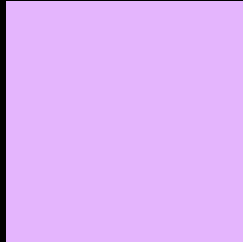
Large Text (above 18pt) WCAG AA × Fail

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 228, 181, 253 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 228, 181, 253 Background



This preview shows how black text looks on a background with the RYB color 228, 181, 253.




This preview shows how white text looks on a background with the RYB color 228, 181, 253.

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
221, 190, 205

Trichromacy



Original Color

228, 181, 253



Protanomaly

199, 191, 254



Deuteranomaly

204, 190, 251



Tritanomaly

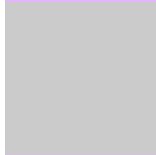
224, 187, 222

Monochromacy



Original Color

228, 181, 253



Achromatopsia

203, 203, 203



Achromatomaly

212, 195, 221

CSS Examples

Text

The CSS property to change the color of the text to RYB 228, 181, 253 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(228, 181, 253) looks like.

```
.text, #text, p{  
    color:rgb(228, 181, 253)  
}
```

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(228, 181, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 181, 253) }
```

Border

The CSS property to change the border of an element to RYB 228, 181, 253 is called "border". The border property can be set on classes, ids or directly on the HTML element.

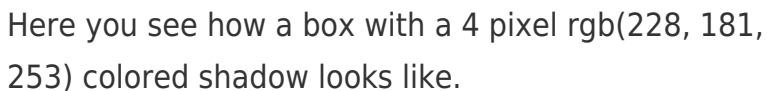
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(228, 181, 253) }
```

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

```
.border{ border-color:rgb(228, 181, 253) }
```

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



Here you see how a box with a 4 pixel `rgb(228, 181, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 181, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 181, 253);  
box-shadow:4px 4px 4px 4px rgb(228, 181,  
253) }
```

Background

The CSS property to change the background color of an element to RYB 228, 181, 253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 181, 253) }
```

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

```
.background{ background-color: rgb(228,  
181, 253) }
```

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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