

Converting Colors

`RYB(231, 134, 253)`

Have a look what the booklet for
RYB(231, 134, 253) contains.

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Color

R_YB(231, 134, 253)

Conversions

Conversions Part 1

Format	Color
Hex	E786FD
RGB	231, 134, 253
RGB Percent	91%, 53%, 99%
CMY	0.0941, 0.4745, 0.0078
CMYK	0.09, 0.47, 0.00, 0.01
HSL	289°, 97%, 76%
HSV	289°, 47%, 99%
XYZ	59.2097, 41.1310, 97.7469
YIQ	176.5690, 19.6130, 57.5730

Conversions

Conversions Part 2

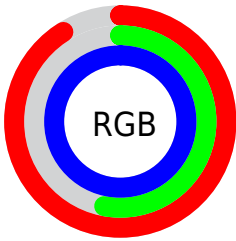
Format	Color
RYB	231, 134, 253
Decimal	15173373
CIELab	70.27, 55.18, -44.20
CIElCh	70, 70.701, 321.308
Yxy	41.1310, 0.2989, 0.2076
Android (android.graphics.Color)	4293363453 (0xFFE786FD)
YUV	176.5690, 37.6805, 47.7360
Hunter-Lab	64.1334, 52.5625, -45.4715

Details

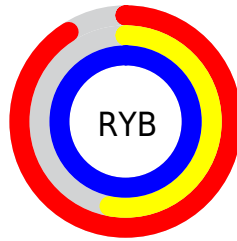
The RYB color **231, 134, 253** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **134, 253, 231**, and the grayscale version is **176, 176, 176**.

A 20% lighter version of the original color is **255, 190, 255**, and **173, 80, 196** is the 20% darker color. If you saturate the color by 10%, you get **226, 109, 253**, and if you desaturate by 10%, it is **236, 159, 253**.

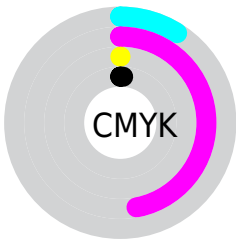
Distribution



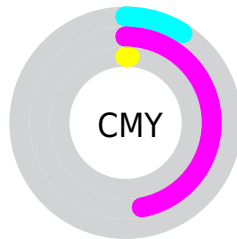
- Red (91%)
- Green (53%)
- Blue (99%)



- Red (91%)
- Yellow (53%)
- Blue (99%)



- Cyan (9%)
- Magenta (47%)
- Yellow (0%)
- Black (1%)




- Cyan (9%)
- Magenta (47%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the RYB color 231, 134, 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 231, 134, 253 by changing the saturation by 10% instead.


 231, 134, 253


255, 255, 255

 255, 190, 255

 255, 218, 255

 255, 247, 255


 231, 134, 253

 202, 107, 224


 173, 80, 196

 145, 53, 168

 118, 22, 141

 91, 0, 115

 64, 0, 90

 41, 0, 66

 0, 0, 43

 0, 1, 21

■ 231, 134, 253

■ 231, 134, 253

■ 226, 109, 253

■ 236, 159, 253

■ 222, 83, 253

■ 240, 185, 253

■ 217, 58, 253

■ 245, 210, 253

■ 212, 33, 253

■ 250, 235, 253

■ 208, 7, 253

253, 255, 254

■ 206, 0, 253

253, 255, 253

Harmonies

Analogous

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



136, 158, 255



231, 134, 253



255, 111, 193

Triad

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



231, 134, 253



109, 220, 26



0, 105, 217

Complementary

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



231, 134, 253



134, 253, 231

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, 115, 201



231, 134, 253



33, 182, 55

Square

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



231, 134, 253



255, 170, 72



76, 186, 195



0, 111, 255

Rectangle

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



231, 134, 253



255, 109, 150



76, 186, 195



0, 103, 202

Sweetspot

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



231, 134, 253



248, 219, 255



134, 154, 253



123, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



231, 134, 253



229, 112, 255



253, 134, 217



125, 115, 128



156, 0, 191



52, 0, 64

Inverse Universe

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



253, 134, 156



255, 112, 139



134, 225, 253



128, 115, 117



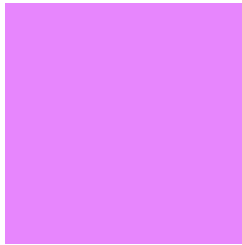
191, 0, 35



64, 0, 12

Previews

White Background



This preview shows how the RYB color 231, 134, 253 looks on a white background.

Color Contrast Check

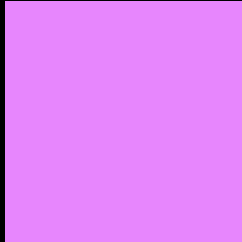
Large Text (above 18pt) WCAG AA × Fail

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 231, 134, 253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

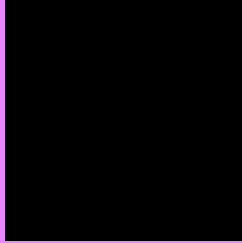
Any Text WCAG AA ✓ Pass

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 231, 134, 253 Background



This preview shows how black text looks on a background with the RYB color 231, 134, 253.

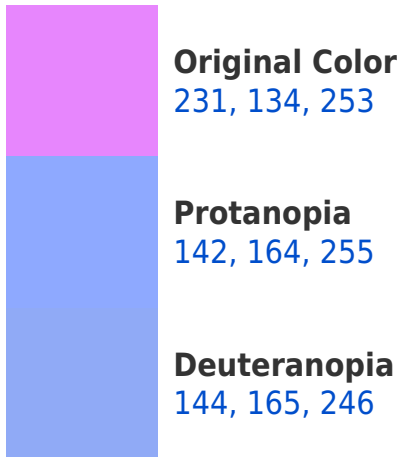


This preview shows how white text looks on a background with the RYB color 231, 134, 253.

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
219, 154, 166

Trichromacy



Original Color

231, 134, 253



Protanomaly

174, 156, 254



Deuteranomaly

176, 157, 249

Tritanomaly

223, 147, 198

Monochromacy



Original Color

231, 134, 253



Achromatopsia

177, 177, 177



Achromatomaly

197, 161, 205

CSS Examples

Text

The CSS property to change the color of the text to RYB 231, 134, 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(231, 134, 253) looks like.

```
.text, #text, p{  
    color:rgb(231, 134, 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(231, 134, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 134, 253) }
```

Border

The CSS property to change the border of an element to RYB 231, 134, 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(231, 134, 253) }
```

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

```
.border{ border-color:rgb(231, 134, 253) }
```

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

Here you see how a box with a 4 pixel rgb(231, 134, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 134, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 134, 253);  
box-shadow:4px 4px 4px 4px rgb(231, 134,  
253) }
```

Background

The CSS property to change the background color of an element to RYB 231, 134, 253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 134, 253) }
```

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

```
.background{ background-color: rgb(231,  
134, 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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