

Converting Colors

`RYB(228, 187, 251)`

Have a look what the booklet for RYB(228, 187, 251) contains.

RYB(228, 187, 251)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(228, 187, 251)

Conversions

Conversions Part 1

Format	Color
Hex	E4BBFB
RGB	228, 187, 251
RGB Percent	89%, 73%, 98%
CMY	0.1059, 0.2667, 0.0157
CMYK	0.09, 0.25, 0.00, 0.02
HSL	278°, 89%, 86%
HSV	278°, 25%, 98%
XYZ	67.1778, 58.9997, 99.1142
YIQ	206.5550, 3.8920, 28.5960

Conversions

Conversions Part 2

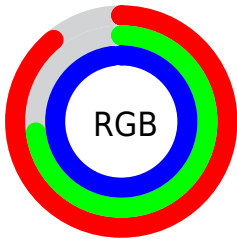
Format	Color
R _Y B	228, 187, 251
Decimal	14990331
CIE Lab	81.29, 26.02, -26.09
CIE LCh	81, 36.847, 314.929
Yxy	58.9997, 0.2982, 0.2619
Android (android.graphics.Color)	4293180411 (0xFFE4BBFB)
YUV	206.5550, 21.9114, 18.8073
Hunter-Lab	76.8112, 21.6934, -22.7376

Details

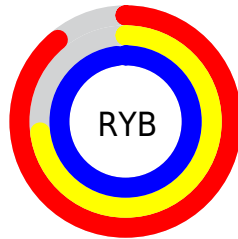
The RYB color **228, 187, 251** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **187, 251, 228**, and the grayscale version is **206, 206, 206**.

A 20% lighter version of the original color is **255, 243, 255**, and **172, 133, 194** is the 20% darker color. If you saturate the color by 10%, you get **219, 162, 251**, and if you desaturate by 10%, it is **237, 212, 251**.

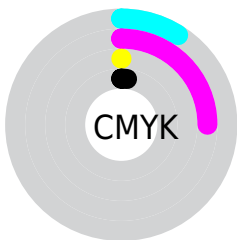
Distribution



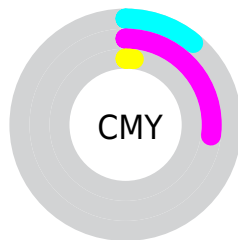
- Red (89%)
- Green (73%)
- Blue (98%)



- Red (89%)
- Yellow (73%)
- Blue (98%)



- Cyan (9%)
- Magenta (25%)
- Yellow (0%)
- Black (2%)



- Cyan (11%)
- Magenta (27%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the RYB color 228, 187, 251 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, 187, 251 by changing the saturation by 10% instead.

 228, 187, 251

255, 255, 255

 255, 243, 255

 228, 187, 251

 200, 160, 222

 172, 133, 194

 145, 108, 167

 119, 83, 140

 93, 60, 115

 69, 37, 90

 45, 15, 66

 27, 0, 44

 0, 1, 22

■ 228, 187, 251

■ 228, 187, 251

■ 219, 162, 251

■ 237, 212, 251

■ 210, 137, 251

■ 246, 237, 251

■ 201, 112, 251

■ 251, 255, 251

■ 192, 87, 251

■ 183, 61, 251

■ 174, 36, 251

■ 165, 11, 251

■ 161, 0, 251

Harmonies

Analogous

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



182, 196, 255



228, 187, 251



255, 178, 221

Triad

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



228, 187, 251



221, 241, 136



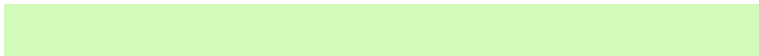
92, 157, 221

Complementary

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



228, 187, 251



187, 251, 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.



128, 186, 220



228, 187, 251



138, 208, 135

Square

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



228, 187, 251



255, 194, 155



152, 214, 196



88, 160, 250

Rectangle

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



228, 187, 251



255, 176, 197



152, 214, 196



103, 166, 221

Sweetspot

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



228, 187, 251



248, 235, 255



187, 204, 251



123, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



228, 187, 251



227, 176, 255



251, 187, 242



120, 112, 125



121, 0, 189



39, 0, 61

Inverse Universe

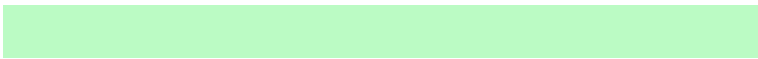
The Inverse Universe completely reimagines the original color for something new.



251, 187, 210



255, 176, 204



187, 243, 251



125, 112, 117



189, 0, 68



61, 0, 22

Previews

White Background



This preview shows how the RYB color 228, 187, 251 looks on a white background.

Color Contrast Check

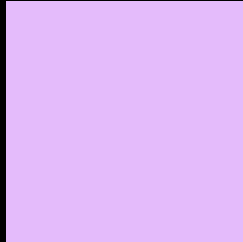
Large Text (above 18pt) WCAG AA × Fail

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, 187, 251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

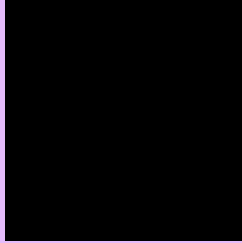
Any Text WCAG AA ✓ Pass

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, 187, 251 Background



This preview shows how black text looks on a background with the RYB color 228, 187, 251.

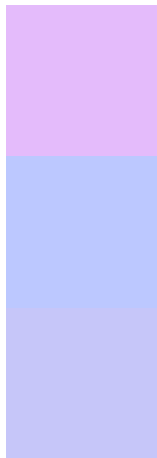


This preview shows how white text looks on a background with the RYB color 228, 187, 251.

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
228, 187, 251

Protanopia
188, 198, 255

Deuteranopia
198, 198, 249



Tritanopia
222, 195, 210

Trichromacy



Original Color

228, 187, 251



Protanomaly

203, 195, 254



Deuteranomaly

209, 194, 250



Tritanomaly

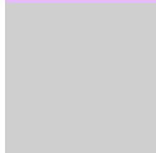
224, 192, 225

Monochromacy



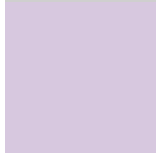
Original Color

228, 187, 251



Achromatopsia

207, 207, 207



Achromatomaly

215, 200, 223

CSS Examples

Text

The CSS property to change the color of the text to RYB 228, 187, 251 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, 187, 251) looks like.

```
.text, #text, p{  
    color:rgb(228, 187, 251)  
}
```

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, 187, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 187, 251) }
```

Border

The CSS property to change the border of an element to RYB 228, 187, 251 is called "border". The border property can be set on classes, ids or directly on the HTML element.

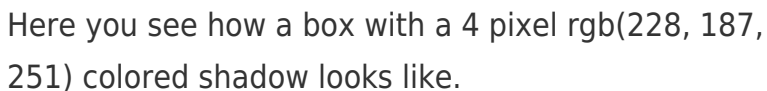
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(228, 187, 251) }
```

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

```
.border{ border-color:rgb(228, 187, 251) }
```

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



Here you see how a box with a 4 pixel rgb(228, 187, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 187, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 187, 251);  
box-shadow:4px 4px 4px 4px rgb(228, 187,  
251) }
```

Background

The CSS property to change the background color of an element to RYB 228, 187, 251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 187, 251) }
```

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

```
.background{ background-color: rgb(228,  
187, 251) }
```

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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