

Converting Colors

`RYB(221, 181, 252)`

Have a look what the booklet for
RYB(221, 181, 252) contains.

RYB(221, 181, 252)	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

`RYB(221, 181, 252)`

Conversions

Conversions Part 1	
Format	Color
Hex	DDB5FC
RGB	221, 181, 252
RGB Percent	87%, 71%, 99%
CMY	0.1333, 0.2902, 0.0118
CMYK	0.12, 0.28, 0.00, 0.01
HSL	274°, 92%, 85%
HSV	274°, 28%, 99%
XYZ	63.9134, 55.4482, 99.4294
YIQ	201.0540, 1.0490, 30.5610

Conversions

Conversions Part 2

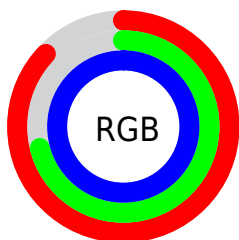
Format	Color
RYB	221, 181, 252
Decimal	14530044
CIELab	79.30, 27.28, -29.73
CIELCh	79, 40.346, 312.538
Yxy	55.4482, 0.2921, 0.2534
Android (android.graphics.Color)	4292720124 (0xFFDDB5FC)
YUV	201.0540, 25.1164, 17.4926
Hunter-Lab	74.4635, 22.8985, -27.0441

Details

The RYB color **221, 181, 252** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **181, 252, 221**, and the grayscale version is **201, 201, 201**.

A 20% lighter version of the original color is **255, 237, 255**, and **165, 128, 195** is the 20% darker color. If you saturate the color by 10%, you get **210, 156, 252**, and if you desaturate by 10%, it is **232, 206, 252**.

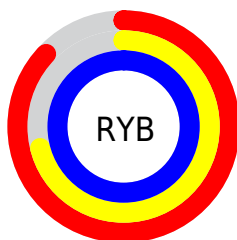
Distribution



Red (87%)

Green (71%)

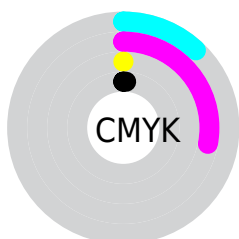
Blue (99%)



Red (87%)

Yellow (71%)

Blue (99%)

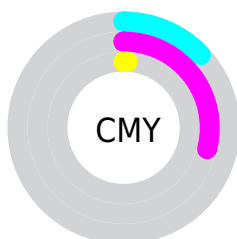


Cyan (12%)

Magenta (28%)

Yellow (0%)

Black (1%)



Cyan (13%)

Magenta (29%)

Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the RYB color 221, 181, 252 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 221, 181, 252 by changing the saturation by 10% instead.


 221, 181, 252

 221, 181, 252

255, 255, 255

 193, 154, 223

 255, 237, 255

 165, 128, 195

 138, 102, 168


 112, 78, 141


 87, 55, 115


 62, 32, 91


 38, 10, 67

 20, 0, 45


 0, 1, 23

 221, 181, 252

 221, 181, 252

 210, 156, 252

 232, 206, 252

 199, 131, 252

 243, 231, 252


 188, 105, 252

252, 255, 253

 177, 80, 252

252, 255, 252

 166, 55, 252

 155, 30, 252

 144, 5, 252

 142, 0, 252

Harmonies

Analogous

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



168, 189, 255



221, 181, 252



255, 170, 220

Triad

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



221, 181, 252



226, 241, 125



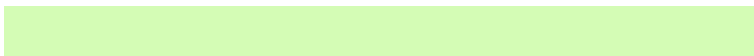
68, 144, 217

Complementary

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



221, 181, 252



181, 252, 221

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.



118, 180, 215



221, 181, 252



130, 206, 122

Square

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



221, 181, 252



255, 183, 147



140, 209, 185



51, 140, 246

Rectangle

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



221, 181, 252



255, 167, 195



140, 209, 185



84, 156, 217

Sweetspot

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



221, 181, 252



246, 235, 255



181, 203, 252



122, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



221, 181, 252



217, 168, 255



252, 181, 248



119, 112, 125



106, 0, 189



34, 0, 61

Inverse Universe

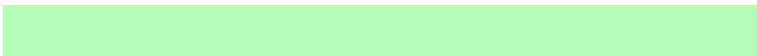
The Inverse Universe completely reimagines the original color for something new.



252, 181, 212



255, 168, 206



181, 248, 252



125, 112, 118



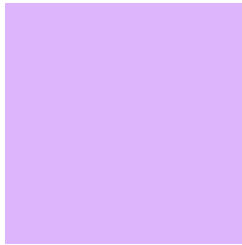
189, 0, 82



61, 0, 27

Previews

White Background



This preview shows how the RYB color 221, 181, 252 looks on a white background.

Color Contrast Check

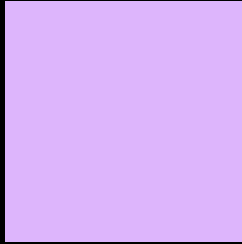
Large Text (above 18pt) WCAG AA × Fail

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 221, 181, 252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

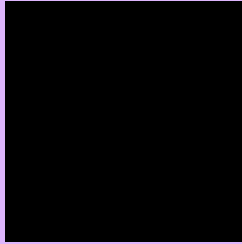
Any Text WCAG AA ✓ Pass

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 221, 181, 252 Background



This preview shows how black text looks on a background with the RYB color 221, 181, 252.

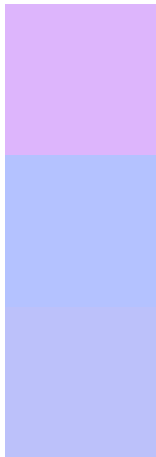


This preview shows how white text looks on a background with the RYB color 221, 181, 252.

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


221, 181, 252

Protanopia

180, 192, 255

Deuteranopia




188, 193, 250



Tritanopia

213, 190, 205

Trichromacy

	Original Color 221, 181, 252
	Protanomaly 195, 189, 254
	Deuteranomaly 200, 189, 251
	Tritanomaly 216, 187, 222

Monochromacy

	Original Color 221, 181, 252
	Achromatopsia 201, 201, 201
	Achromatomaly 208, 194, 220

CSS Examples

Text

The CSS property to change the color of the text to RGB 221, 181, 252 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(221, 181, 252) looks like.

```
.text, #text, p{  
    color:rgb(221, 181, 252)  
}
```

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(221, 181, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 181, 252) }
```

Border

The CSS property to change the border of an element to RYB 221, 181, 252 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(221, 181, 252) }
```

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

```
.border{ border-color:rgb(221, 181, 252) }
```

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

Here you see how a box with a 4 pixel rgb(221, 181, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 181, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 181, 252);  
box-shadow:4px 4px 4px 4px rgb(221, 181,  
252) }
```

Background

The CSS property to change the background color of an element to RGB 221, 181, 252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 181, 252) }
```

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

```
.background{ background-color: rgb(221,  
181, 252) }
```

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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