

Converting Colors

`RYB(133, 105, 252)`

Have a look what the booklet for
RYB(133, 105, 252) contains.

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Color

R_YB(133, 105, 252)

Conversions

Conversions Part 1

Format	Color
Hex	8569FC
RGB	133, 105, 252
RGB Percent	52%, 41%, 99%
CMY	0.4784, 0.5882, 0.0118
CMYK	0.47, 0.58, 0.00, 0.01
HSL	251°, 96%, 70%
HSV	251°, 58%, 99%
XYZ	32.2951, 22.1180, 94.6625
YIQ	130.1300, -30.4990, 51.6530

Conversions

Conversions Part 2

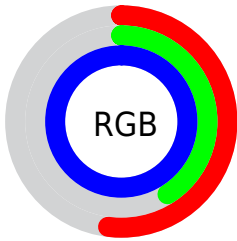
Format	Color
RYB	133, 105, 252
Decimal	8743420
CIELab	54.15, 46.52, -69.93
CIELCh	54, 83.993, 303.634
Yxy	22.1180, 0.2166, 0.1484
Android (android.graphics.Color)	4286933500 (0xFF8569FC)
YUV	130.1300, 60.0819, 2.5170
Hunter-Lab	47.0297, 40.2731, -86.4194

Details

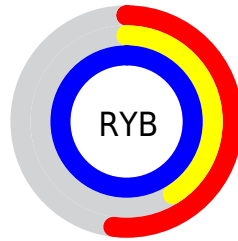
The RYB color **133, 105, 252** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **105, 252, 133**, and the grayscale version is **130, 130, 130**.

A 20% lighter version of the original color is **193, 157, 255**, and **71, 56, 194** is the 20% darker color. If you saturate the color by 10%, you get **113, 80, 252**, and if you desaturate by 10%, it is **153, 130, 252**.

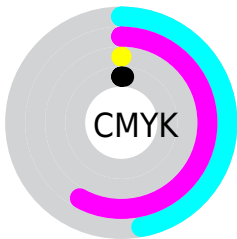
Distribution



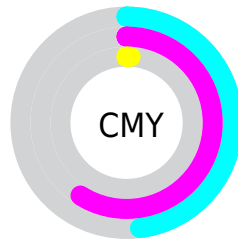
- Red (52%)
- Green (41%)
- Blue (99%)



- Red (52%)
- Yellow (41%)
- Blue (99%)



- Cyan (47%)
- Magenta (58%)
- Yellow (0%)
- Black (1%)



- Cyan (48%)
- Magenta (59%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the RYB color 133, 105, 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 133, 105, 252 by changing the saturation by 10% instead.

 133, 105, 252

255, 255, 255

 193, 157, 255


 223, 184, 255

 253, 212, 255


 255, 241, 255

 133, 105, 252

 103, 80, 223

 71, 56, 194

 32, 33, 166

 0, 8, 139

 0, 0, 113

 0, 0, 88

 0, 5, 63

 0, 3, 40

 0, 1, 18

■ 133, 105, 252

■ 133, 105, 252

■ 113, 80, 252

■ 153, 130, 252

■ 92, 55, 252

■ 174, 155, 252

■ 72, 29, 252

■ 194, 181, 252

■ 51, 4, 252

■ 215, 206, 252

■ 48, 0, 252

■ 235, 231, 252

252, 255, 252

Harmonies

Analogous

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



0, 89, 255



133, 105, 252



220, 57, 195

Triad

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



133, 105, 252



206, 194, 0



0, 86, 160

Complementary

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



133, 105, 252



105, 252, 133

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, 113, 156



133, 105, 252



22, 149, 0

Square

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



133, 105, 252



244, 54, 53



0, 147, 76



0, 90, 209

Rectangle

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



133, 105, 252



246, 13, 148



0, 147, 76



0, 94, 159

Sweetspot

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



133, 105, 252



218, 209, 255



105, 171, 252



105, 99, 128



0, 0, 0



128, 128, 128

Same Dimension

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



133, 105, 252



111, 77, 255



205, 105, 252



115, 112, 125



36, 0, 189



12, 0, 61

Inverse Universe

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



252, 105, 224



255, 77, 221



105, 252, 205



125, 112, 123



189, 0, 153



61, 0, 50

Previews

White Background



This preview shows how the RYB color 133, 105, 252 looks on a white background.

Color Contrast Check

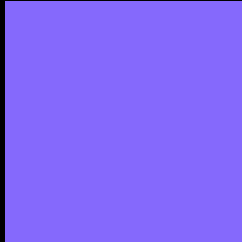
Large Text (above 18pt) WCAG AA ✓ Pass

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 133, 105, 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RGB 133, 105, 252 Background



This preview shows how black text looks on a background with the RGB color 133, 105, 252.

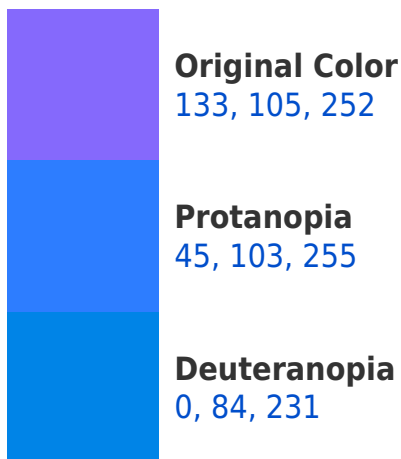



This preview shows how white text looks on a background with the RGB color 133, 105, 252.

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





Tritanopia
103, 121, 145

Trichromacy



Original Color

133, 105, 252



Protanomaly

77, 110, 254



Deuteranomaly

48, 101, 239



Tritanomaly

114, 122, 184

Monochromacy



Original Color

133, 105, 252



Achromatopsia

130, 130, 130



Achromatomaly

131, 121, 174

CSS Examples

Text

The CSS property to change the color of the text to RYB 133, 105, 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(133, 105, 252)` looks like.

```
.text, #text, p{  
    color:rgb(133, 105, 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(133, 105, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 105, 252) }
```

Border

The CSS property to change the border of an element to RYB 133, 105, 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(133, 105, 252) }
```

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

```
.border{ border-color:rgb(133, 105, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 105, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 105, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 105, 252);  
box-shadow:4px 4px 4px 4px rgb(133, 105,  
252) }
```

Background

The CSS property to change the background color of an element to RYB 133, 105, 252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 105, 252) }
```

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

```
.background{ background-color: rgb(133,  
105, 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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