

Converting Colors

`RYB(197, 133, 242)`

Have a look what the booklet for
RYB(197, 133, 242) contains.

RYB(197, 133, 242)	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(197, 133, 242)

Conversions

Conversions Part 1

Format	Color
Hex	C585F2
RGB	197, 133, 242
RGB Percent	77%, 52%, 95%
CMY	0.2275, 0.4784, 0.0510
CMYK	0.19, 0.45, 0.00, 0.05
HSL	275°, 81%, 74%
HSV	275°, 45%, 95%
XYZ	47.4405, 35.0562, 88.2705
YIQ	164.5620, 3.1550, 47.4670

Conversions

Conversions Part 2

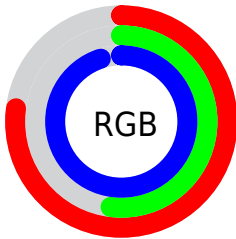
Format	Color
RYB	197, 133, 242
Decimal	12944882
CIELab	65.79, 44.07, -45.47
CIELCh	66, 63.316, 314.104
Yxy	35.0562, 0.2778, 0.2053
Android (android.graphics.Color)	4291134962 (0xFFC585F2)
YUV	164.5620, 38.1769, 28.4481
Hunter-Lab	59.2083, 39.4083, -46.9466

Details

The RYB color **197, 133, 242** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **133, 242, 197**, and the grayscale version is **164, 164, 164**.

A 20% lighter version of the original color is **255, 187, 255**, and **141, 81, 185** is the 20% darker color. If you saturate the color by 10%, you get **187, 109, 242**, and if you desaturate by 10%, it is **207, 157, 242**.

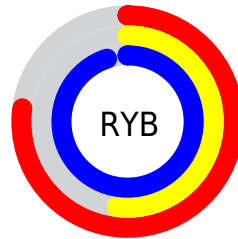
Distribution



Red (77%)

Green (52%)

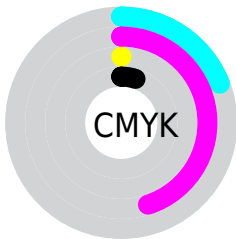
Blue (95%)



Red (77%)

Yellow (52%)

Blue (95%)

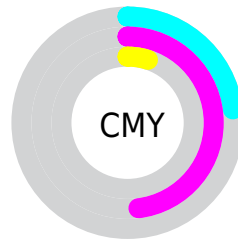


Cyan (19%)

Magenta (45%)

Yellow (0%)

Black (5%)



Cyan (23%)

Magenta (48%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 197, 133, 242 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 197, 133, 242 by changing the saturation by 10% instead.


 197, 133, 242

 197, 133, 242


255, 255, 255

 169, 107, 213

 255, 187, 255


 141, 81, 185

 255, 216, 255

 114, 56, 158

 255, 244, 255

 87, 31, 131

 61, 2, 106

 34, 0, 81

 4, 0, 57

 0, 2, 35

 0, 0, 9

■ 197, 133, 242

■ 197, 133, 242

■ 187, 109, 242

■ 207, 157, 242

■ 177, 85, 242

■ 217, 181, 242

■ 167, 60, 242

■ 227, 206, 242

■ 157, 36, 242

■ 237, 230, 242

■ 147, 12, 242

■ 242, 254, 249

■ 142, 0, 242

■ 242, 255, 242

Harmonies

Analogous

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



99, 141, 255



197, 133, 242



247, 111, 192

Triad

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



197, 133, 242



156, 214, 43



0, 94, 187

Complementary

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



197, 133, 242



133, 242, 197

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, 110, 185



197, 133, 242



36, 165, 37

Square

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



197, 133, 242



250, 136, 83



73, 178, 152



0, 104, 238

Rectangle

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



197, 133, 242



255, 105, 154



73, 178, 152



0, 99, 187

Sweetspot

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



197, 133, 242



240, 219, 255



133, 165, 242



119, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



197, 133, 242



198, 117, 255



242, 133, 233



115, 108, 120



108, 0, 184



33, 0, 56

Inverse Universe

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



242, 133, 178



255, 117, 174



133, 234, 242



120, 108, 113



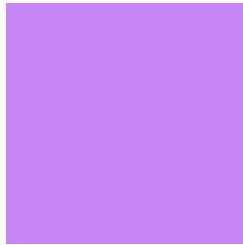
184, 0, 76



56, 0, 23

Previews

White Background



This preview shows how the RYB color 197, 133, 242 looks on a white background.

Color Contrast Check

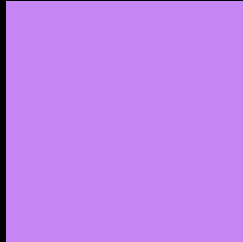
Large Text (above 18pt) WCAG AA × Fail

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 197, 133, 242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

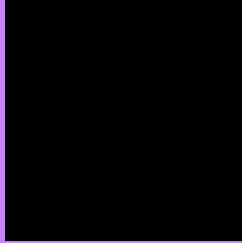
Any Text WCAG AA ✓ Pass

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 197, 133, 242 Background



This preview shows how black text looks on a background with the RYB color 197, 133, 242.

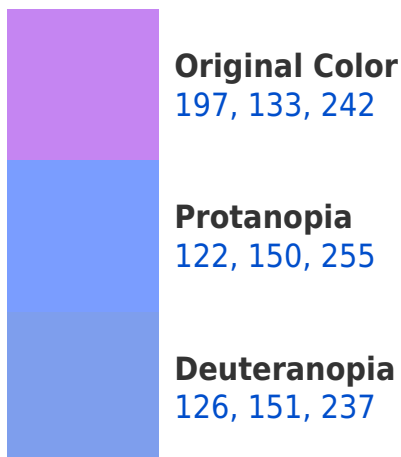



This preview shows how white text looks on a background with the RYB color 197, 133, 242.

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
184, 151, 163

Trichromacy



Original Color

197, 133, 242



Protanomaly

149, 148, 250



Deuteranomaly

152, 150, 239



Tritanomaly

189, 144, 192

Monochromacy



Original Color

197, 133, 242



Achromatopsia

165, 165, 165



Achromatomaly

177, 153, 193

CSS Examples

Text

The CSS property to change the color of the text to RYB 197, 133, 242 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(197, 133, 242) looks like.

```
.text, #text, p{  
    color:rgb(197, 133, 242)  
}
```

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(197, 133, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 133, 242) }
```

Border

The CSS property to change the border of an element to RYB 197, 133, 242 is called "border". The border property can be set on classes, ids or directly on the HTML element.

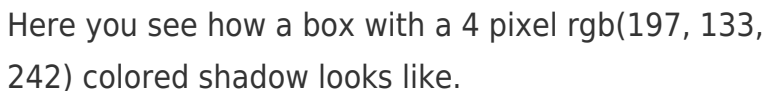
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 133, 242) }
```

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

```
.border{ border-color:rgb(197, 133, 242) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 133, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 133, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 133, 242);  
box-shadow:4px 4px 4px 4px rgb(197, 133,  
242) }
```

Background

The CSS property to change the background color of an element to RGB 197, 133, 242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 133, 242) }
```

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

```
.background{ background-color: rgb(197,  
133, 242) }
```

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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