

Converting Colors

`RYB(171, 133, 255)`

Have a look what the booklet for
RYB(171, 133, 255) contains.

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Color

R_YB(171, 133, 255)

Conversions

Conversions Part 1

Format	Color
Hex	AB85FF
RGB	171, 133, 255
RGB Percent	67%, 52%, 100%
CMY	0.3294, 0.4784, 0.0000
CMYK	0.33, 0.48, 0.00, 0.00
HSL	259°, 100%, 76%
HSV	259°, 48%, 100%
XYZ	43.2321, 32.6530, 98.6318
YIQ	158.2700, -16.5140, 45.9980

Conversions

Conversions Part 2

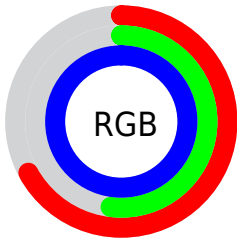
Format	Color
R_{YB}	171, 133, 255
Decimal	11240959
CIE _{Lab}	63.88, 40.22, -55.79
CIE _{LCh}	64, 68.779, 305.787
Yxy	32.6530, 0.2477, 0.1871
Android (android.graphics.Color)	4289431039 (0xFFAB85FF)
YUV	158.2700, 47.6879, 11.1642
Hunter-Lab	57.1428, 35.0466, -62.3381

Details

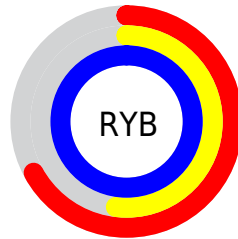
The RYB color **171, 133, 255** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **133, 255, 171**, and the grayscale version is **158, 158, 158**.

A 20% lighter version of the original color is **229, 187, 255**, and **114, 82, 198** is the 20% darker color. If you saturate the color by 10%, you get **153, 108, 255**, and if you desaturate by 10%, it is **189, 159, 255**.

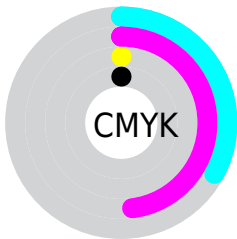
Distribution



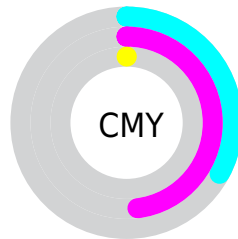
- Red (67%)
- Green (52%)
- Blue (100%)



- Red (67%)
- Yellow (52%)
- Blue (100%)



- Cyan (33%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)





- Cyan (33%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 171, 133, 255 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 171, 133, 255 by changing the saturation by 10% instead.

 171, 133, 255

 171, 133, 255

255, 255, 255

 143, 107, 226

 229, 187, 255

 114, 82, 198

 255, 215, 255

 86, 58, 170

 255, 243, 255

 57, 35, 143

 23, 11, 117

 0, 0, 91

 0, 0, 67

 0, 3, 44

 0, 1, 22

■ 171, 133, 255

■ 171, 133, 255

■ 153, 108, 255

■ 189, 159, 255

■ 136, 82, 255

■ 206, 184, 255

■ 118, 57, 255

■ 224, 210, 255

■ 101, 31, 255

■ 241, 235, 255

■ 83, 6, 255

255, 255, 255

■ 79, 0, 255

Harmonies

Analogous

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



0, 98, 255



171, 133, 255



237, 105, 206

Triad

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



171, 133, 255



209, 224, 34



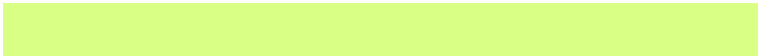
0, 96, 183

Complementary

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



171, 133, 255



133, 255, 171

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, 180



171, 133, 255



20, 174, 0

Square

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



171, 133, 255



255, 110, 86



43, 171, 105



0, 101, 225

Rectangle

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



171, 133, 255



255, 93, 166



43, 171, 105



0, 102, 183

Sweetspot

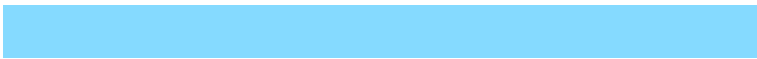
The Sweet Spot groups the original color and five complimentary colors.



171, 133, 255



230, 219, 255



133, 183, 255



113, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



171, 133, 255



155, 110, 255



231, 133, 255



119, 115, 128



60, 0, 191



20, 0, 64

Inverse Universe

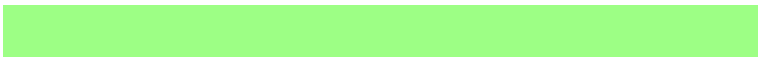
The Inverse Universe completely reimagines the original color for something new.



255, 133, 217



255, 110, 210



133, 255, 231



128, 115, 124



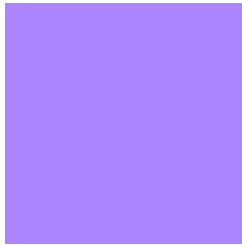
191, 0, 132



64, 0, 44

Previews

White Background



This preview shows how the RYB color 171, 133, 255 looks on a white background.

Color Contrast Check

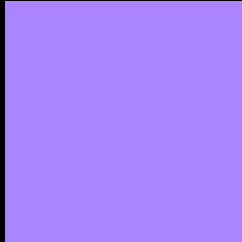
Large Text (above 18pt) WCAG AA × Fail

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 171, 133, 255 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 171, 133, 255 Background



This preview shows how black text looks on a background with the RYB color 171, 133, 255.



This preview shows how white text looks on a background with the RYB color 171, 133, 255.

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

153, 154, 166

Trichromacy



Original Color

171, 133, 255



Protanomaly

133, 143, 255



Deuteranomaly

124, 143, 252



Tritanomaly

160, 146, 198

Monochromacy



Original Color

171, 133, 255



Achromatopsia

158, 158, 158



Achromatomaly

163, 149, 193

CSS Examples

Text

The CSS property to change the color of the text to RYB 171, 133, 255 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(171, 133, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 133, 255)  
}
```

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(171, 133, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 133, 255) }
```

Border

The CSS property to change the border of an element to RYB 171, 133, 255 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(171, 133, 255) }
```

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

```
.border{ border-color:rgb(171, 133, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 133, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 133, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 133, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 133,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 171, 133, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 133, 255) }
```

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

```
.background{ background-color: rgb(171,  
133, 255) }
```

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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