

Converting Colors

`RYB(175, 134, 246)`

Have a look what the booklet for
RYB(175, 134, 246) contains.

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Color

R_YB(175, 134, 246)

Conversions

Conversions Part 1

Format	Color
Hex	AF86F6
RGB	175, 134, 246
RGB Percent	69%, 53%, 96%
CMY	0.3137, 0.4745, 0.0353
CMYK	0.29, 0.46, 0.00, 0.04
HSL	262°, 86%, 75%
HSV	262°, 46%, 96%
XYZ	42.8388, 32.8180, 91.2654
YIQ	159.0270, -11.5160, 43.5240

Conversions

Conversions Part 2

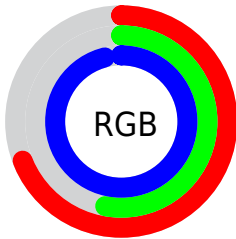
Format	Color
R _Y B	175, 134, 246
Decimal	11503350
CIE Lab	64.01, 38.47, -50.62
CIE LCh	64, 63.580, 307.236
Yxy	32.8180, 0.2566, 0.1966
Android (android.graphics.Color)	4289693430 (0xFFAF86F6)
YUV	159.0270, 42.8777, 14.0083
Hunter-Lab	57.2870, 33.2290, -54.3556

Details

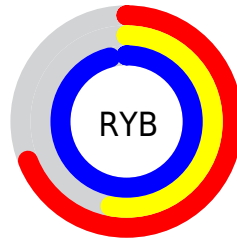
The RYB color **175, 134, 246** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **134, 246, 175**, and the grayscale version is **159, 159, 159**.

A 20% lighter version of the original color is **233, 188, 255**, and **119, 83, 189** is the 20% darker color. If you saturate the color by 10%, you get **159, 109, 246**, and if you desaturate by 10%, it is **191, 159, 246**.

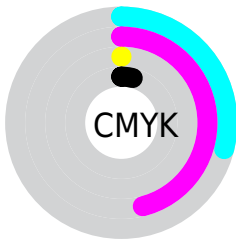
Distribution



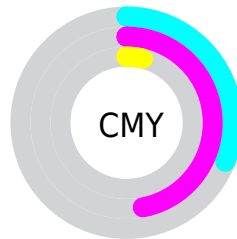
- Red (69%)
- Green (53%)
- Blue (96%)



- Red (69%)
- Yellow (53%)
- Blue (96%)



- Cyan (29%)
- Magenta (46%)
- Yellow (0%)
- Black (4%)




- Cyan (31%)
- Magenta (47%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RYB color 175, 134, 246 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 175, 134, 246 by changing the saturation by 10% instead.

 175, 134, 246


255, 255, 255

 233, 188, 255

 255, 216, 255

 255, 245, 255

 175, 134, 246

 147, 108, 217

 119, 83, 189

 92, 59, 162

 65, 36, 135


 35, 12, 109

 0, 0, 84

 0, 0, 60


 0, 2, 37

 0, 1, 14


 175, 134, 246

 175, 134, 246

 159, 109, 246


 191, 159, 246

 144, 85, 246


 206, 183, 246

 128, 60, 246


 222, 208, 246

 113, 36, 246

 237, 232, 246

 97, 11, 246

 246, 255, 248

 90, 0, 246

 246, 255, 246

Harmonies

Analogous

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



46, 118, 255



175, 134, 246



234, 110, 200

Triad

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



175, 134, 246



201, 218, 45



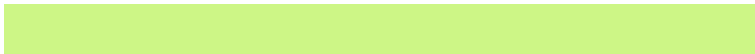
0, 95, 182

Complementary

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



175, 134, 246



134, 246, 175

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, 111, 179



175, 134, 246



40, 171, 25

Square

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



175, 134, 246



250, 117, 89



57, 171, 117



0, 99, 222

Rectangle

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



175, 134, 246



253, 101, 163



57, 171, 117



0, 100, 182

Sweetspot

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



175, 134, 246



232, 219, 255



134, 178, 246



114, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



175, 134, 246



166, 115, 255



229, 134, 246



115, 110, 122



68, 0, 186



21, 0, 59

Inverse Universe

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



246, 134, 205



255, 115, 204



134, 246, 229



122, 110, 118



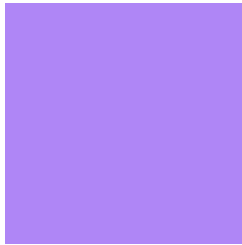
186, 0, 118



59, 0, 37

Previews

White Background



This preview shows how the RYB color 175, 134, 246 looks on a white background.

Color Contrast Check

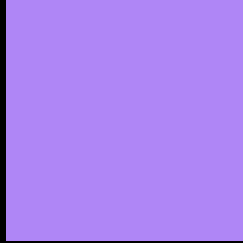
Large Text (above 18pt) WCAG AA × Fail

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 175, 134, 246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

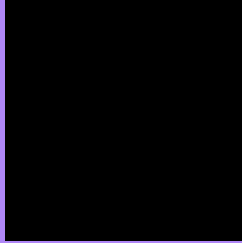
Any Text WCAG AA ✓ Pass

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 175, 134, 246 Background



This preview shows how black text looks on a background with the RYB color 175, 134, 246.

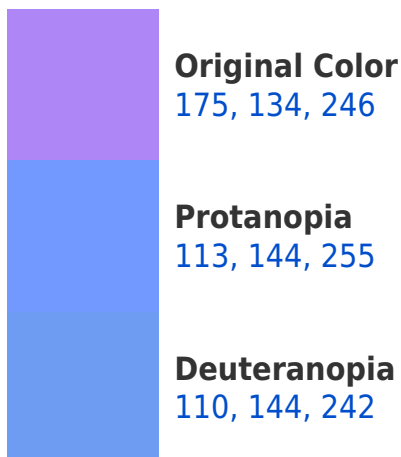



This preview shows how white text looks on a background with the RYB color 175, 134, 246.

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
159, 153, 165

Trichromacy



Original Color

175, 134, 246



Protanomaly

136, 144, 252



Deuteranomaly

134, 146, 243



Tritanomaly

165, 146, 194

Monochromacy



Original Color

175, 134, 246



Achromatopsia

159, 159, 159



Achromatomaly

165, 150, 191

CSS Examples

Text

The CSS property to change the color of the text to RYB 175, 134, 246 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(175, 134, 246)` looks like.

```
.text, #text, p{  
    color:rgb(175, 134, 246)  
}
```

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(175, 134, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 134, 246) }
```

Border

The CSS property to change the border of an element to RYB 175, 134, 246 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(175, 134, 246) }
```

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

```
.border{ border-color:rgb(175, 134, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 134, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 134, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 134, 246);  
box-shadow:4px 4px 4px 4px rgb(175, 134,  
246) }
```

Background

The CSS property to change the background color of an element to RYB 175, 134, 246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 134, 246) }
```

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

```
.background{ background-color: rgb(175,  
134, 246) }
```

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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