

Converting Colors

`RYB(135, 127, 218)`

Have a look what the booklet for
RYB(135, 127, 218) contains.

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Color

R_YB(135, 127, 218)

Conversions

Conversions Part 1

Format	Color
Hex	877FDA
RGB	135, 127, 218
RGB Percent	53%, 50%, 85%
CMY	0.4706, 0.5020, 0.1451
CMYK	0.38, 0.42, 0.00, 0.15
HSL	245°, 55%, 68%
HSV	245°, 42%, 85%
XYZ	30.2359, 25.3916, 69.6371
YIQ	139.7660, -24.4430, 29.9970

Conversions

Conversions Part 2

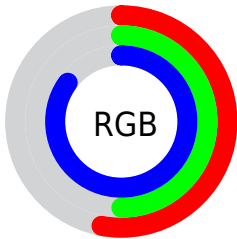
Format	Color
R _Y B	135, 127, 218
Decimal	8880090
CIE Lab	57.45, 24.71, -45.67
CIE LCh	57, 51.923, 298.413
Yxy	25.3916, 0.2414, 0.2027
Android (android.graphics.Color)	4287070170 (0xFF877FDA)
YUV	139.7660, 38.5694, -4.1798
Hunter-Lab	50.3901, 18.9241, -46.6634

Details

The RYB color **135, 127, 218** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **127, 218, 135**, and the grayscale version is **139, 139, 139**.

A 20% lighter version of the original color is **191, 180, 255**, and **80, 78, 162** is the 20% darker color. If you saturate the color by 10%, you get **115, 105, 218**, and if you desaturate by 10%, it is **155, 149, 218**.

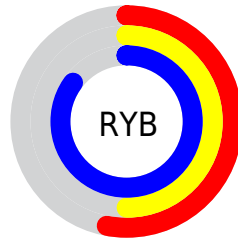
Distribution



Red (53%)

Green (50%)

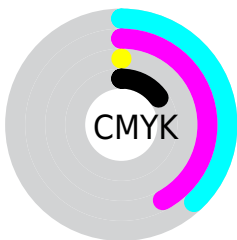
Blue (85%)



Red (53%)

Yellow (50%)

Blue (85%)

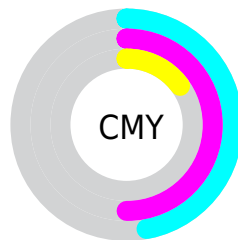


Cyan (38%)

Magenta (42%)

Yellow (0%)

Black (15%)



Cyan (47%)


Magenta (50%)

Yellow (15%)


Brightness & Saturation Gradients

These gradients show how the RYB color 135, 127, 218 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 135, 127, 218 by changing the saturation by 10% instead.

 135, 127, 218

255, 255, 255

 191, 180, 255

 220, 207, 255


 249, 236, 255


 135, 127, 218

 108, 102, 190

 80, 78, 162

 53, 55, 136

 20, 32, 110


 0, 12, 85

 0, 0, 61


 0, 3, 38

 0, 1, 16

 0, 0, 0

 135, 127, 218

 135, 127, 218


 115, 105, 218

 155, 149, 218

 95, 83, 218


 175, 171, 218

 75, 62, 218

 195, 192, 218

 55, 40, 218

 215, 214, 218

 36, 18, 218

 218, 236, 220

 19, 0, 218

 218, 255, 219

 218, 255, 218

Harmonies

Analogous

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



0, 88, 229



135, 127, 218



191, 108, 186

Triad

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



135, 127, 218



199, 158, 61



0, 87, 160

Complementary

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



135, 127, 218



127, 218, 135

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.



57, 132, 156



135, 127, 218



81, 165, 41

Square

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



135, 127, 218



219, 102, 97



53, 148, 81



0, 85, 180

Rectangle

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



135, 127, 218



212, 99, 158



53, 148, 81



0, 91, 159

Sweetspot

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



135, 127, 218



225, 222, 255



127, 170, 218



109, 107, 128



0, 0, 0



128, 128, 128

Same Dimension

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



135, 127, 218



139, 128, 255



180, 127, 218



100, 99, 110



15, 0, 173



4, 0, 46

Inverse Universe

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



218, 127, 210



255, 128, 244



127, 218, 180



110, 99, 109



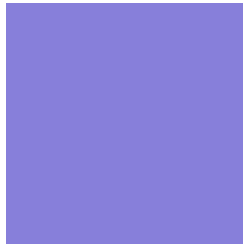
173, 0, 158



46, 0, 42

Previews

White Background



This preview shows how the RYB color 135, 127, 218 looks on a white background.

Color Contrast Check

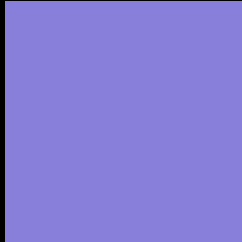
Large Text (above 18pt) WCAG AA ✓ Pass

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 135, 127, 218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

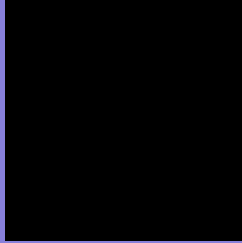
Any Text WCAG AA ✓ Pass

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](#).

RYB 135, 127, 218 Background



This preview shows how black text looks on a background with the RYB color 135, 127, 218.

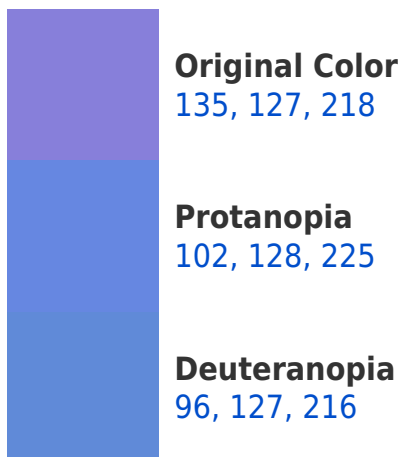


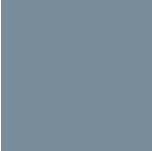
This preview shows how white text looks on a background with the RYB color 135, 127, 218.

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
120, 133, 153

Trichromacy



Original Color
135, 127, 218

Protanomaly
114, 129, 222

Deuteranomaly
110, 130, 217

Tritanomaly
125, 134, 177

Monochromacy



Original Color
135, 127, 218

Achromatopsia
140, 140, 140

Achromatomaly
138, 135, 168

CSS Examples

Text

The CSS property to change the color of the text to RGB 135, 127, 218 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(135, 127, 218)` looks like.

```
.text, #text, p{  
    color:rgb(135, 127, 218)  
}
```

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(135, 127, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 127, 218) }
```

Border

The CSS property to change the border of an element to RYB 135, 127, 218 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(135, 127, 218) }
```

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

```
.border{ border-color:rgb(135, 127, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 127, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 127, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 127, 218); box-shadow:4px 4px 4px 4px rgb(135, 127, 218) }
```

Background

The CSS property to change the background color of an element to RYB 135, 127, 218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 127, 218) }
```

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

```
.background{ background-color: rgb(135,  
127, 218) }
```

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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