

Converting Colors

`RYB(135, 126, 217)`

Have a look what the booklet for RYB(135, 126, 217) contains.

RYB(135, 126, 217)	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(135, 126, 217)

Conversions

Conversions Part 1

Format	Color
Hex	877ED9
RGB	135, 126, 217
RGB Percent	53%, 49%, 85%
CMY	0.4706, 0.5059, 0.1490
CMYK	0.38, 0.42, 0.00, 0.15
HSL	246°, 54%, 67%
HSV	246°, 42%, 85%
XYZ	29.9769, 25.0824, 68.9071
YIQ	139.0650, -23.8470, 30.2090

Conversions

Conversions Part 2

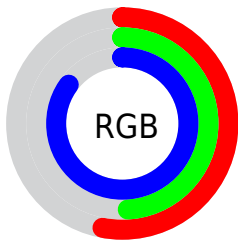
Format	Color
RYB	135, 126, 217
Decimal	8879833
CIELab	57.16, 25.02, -45.58
CIELCh	57, 51.996, 298.763
Yxy	25.0824, 0.2418, 0.2023
Android (android.graphics.Color)	4287069913 (0xFF877ED9)
YUV	139.0650, 38.4220, -3.5650
Hunter-Lab	50.0823, 19.1977, -46.5181

Details

The RYB color **135, 126, 217** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **126, 217, 135**, and the grayscale version is **139, 139, 139**.

A 20% lighter version of the original color is **191, 179, 255**, and **80, 77, 162** is the 20% darker color. If you saturate the color by 10%, you get **115, 104, 217**, and if you desaturate by 10%, it is **155, 148, 217**.

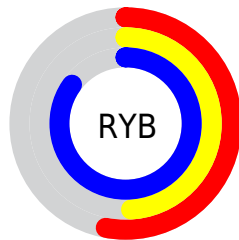
Distribution



Red (53%)

Green (49%)

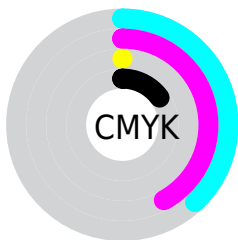
Blue (85%)



Red (53%)

Yellow (49%)

Blue (85%)

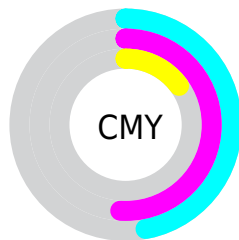


Cyan (38%)

Magenta (42%)

Yellow (0%)

Black (15%)



Cyan (47%)

Magenta (51%)

Yellow (15%)


Brightness & Saturation Gradients

These gradients show how the RYB color 135, 126, 217 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, 126, 217 by changing the saturation by 10% instead.

 135, 126, 217


255, 255, 255

 191, 179, 255

 220, 206, 255


 249, 234, 255


 135, 126, 217

 108, 101, 189

 80, 77, 162

 53, 54, 135

 20, 31, 109

 0, 11, 84

 0, 0, 61


 0, 2, 38

 0, 1, 14

 0, 0, 0

 135, 126, 217

 135, 126, 217

 115, 104, 217

 155, 148, 217

 96, 83, 217


 174, 169, 217

 76, 61, 217


 194, 191, 217

 57, 39, 217

 213, 213, 217

 37, 17, 217

 217, 235, 219

 21, 0, 217

 217, 255, 220

 217, 255, 217

Harmonies

Analogous

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



0, 88, 228



135, 126, 217



191, 107, 185

Triad

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



135, 126, 217



198, 159, 59



0, 86, 159

Complementary

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



135, 126, 217



126, 217, 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.



55, 130, 155



135, 126, 217



78, 163, 40

Square

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



135, 126, 217



218, 101, 96



52, 147, 81



0, 84, 180

Rectangle

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



135, 126, 217



211, 98, 156



52, 147, 81



0, 90, 158

Sweetspot

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



135, 126, 217



225, 222, 255



126, 169, 217



109, 107, 128



0, 0, 0



128, 128, 128

Same Dimension

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



135, 126, 217



140, 128, 255



179, 126, 217



100, 99, 110



17, 0, 173



5, 0, 46

Inverse Universe

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



217, 126, 208



255, 128, 242



126, 217, 179



110, 99, 109



173, 0, 156



46, 0, 41

Previews

White Background



This preview shows how the RYB color 135, 126, 217 looks on a white background.

Color Contrast Check

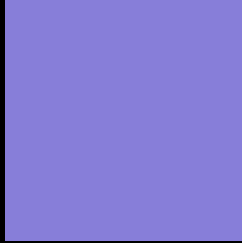
Large Text (above 18pt) WCAG AA ✓ Pass

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, 126, 217 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, 126, 217 Background



This preview shows how black text looks on a background with the RYB color 135, 126, 217.



This preview shows how white text looks on a background with the RYB color 135, 126, 217.

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



Original Color
135, 126, 217

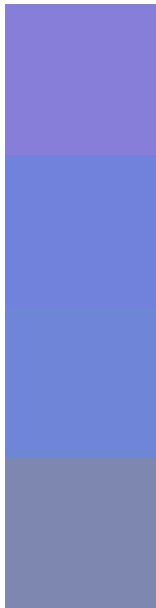
Protanopia
101, 127, 224

Deuteranopia
96, 126, 215



Tritanopia
120, 132, 151

Trichromacy



Original Color
135, 126, 217

Protanomaly
113, 128, 221

Deuteranomaly
110, 129, 216

Tritanomaly
125, 133, 175

Monochromacy



Original Color
135, 126, 217

Achromatopsia
139, 139, 139

Achromatomaly
138, 134, 167

CSS Examples

Text

The CSS property to change the color of the text to RYB 135, 126, 217 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, 126, 217)` looks like.

```
.text, #text, p{  
    color:rgb(135, 126, 217)  
}
```

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, 126, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 126, 217) }
```

Border

The CSS property to change the border of an element to RYB 135, 126, 217 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, 126, 217) }
```

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

```
.border{ border-color:rgb(135, 126, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 126, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 126, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 126, 217); box-shadow:4px 4px 4px 4px rgb(135, 126, 217) }
```

Background

The CSS property to change the background color of an element to RYB 135, 126, 217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 126, 217) }
```

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

```
.background{ background-color: rgb(135,  
126, 217) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor