

Converting Colors

`RYB(137, 135, 234)`

Have a look what the booklet for RYB(137, 135, 234) contains.

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Color

`RYB(137, 135, 234)`

Conversions

Conversions Part 1

Format	Color
Hex	8987EA
RGB	137, 135, 234
RGB Percent	54%, 53%, 92%
CMY	0.4627, 0.4706, 0.0824
CMYK	0.41, 0.42, 0.00, 0.08
HSL	241°, 70%, 72%
HSV	241°, 42%, 92%
XYZ	33.8318, 28.5868, 81.5766
YIQ	146.8840, -30.5870, 31.2130

Conversions

Conversions Part 2

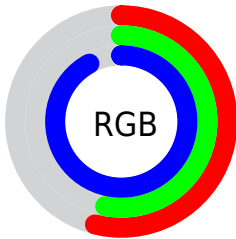
Format	Color
R _Y B	137, 135, 234
Decimal	9013226
CIE Lab	60.42, 24.97, -49.90
CIE LCh	60, 55.799, 296.588
Yxy	28.5868, 0.2350, 0.1985
Android (android.graphics.Color)	4287203306 (0xFF8987EA)
YUV	146.8840, 42.9482, -8.6683
Hunter-Lab	53.4666, 19.3818, -53.0349

Details

The RYB color **137, 135, 234** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **135, 234, 137**, and the grayscale version is **146, 146, 146**.

A 20% lighter version of the original color is **194, 188, 255**, and **81, 85, 178** is the 20% darker color. If you saturate the color by 10%, you get **114, 112, 234**, and if you desaturate by 10%, it is **160, 158, 234**.

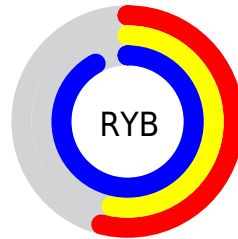
Distribution



Red (54%)

Green (53%)

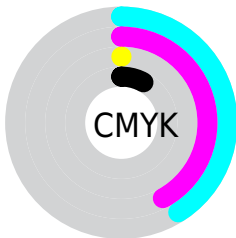
Blue (92%)



Red (54%)

Yellow (53%)

Blue (92%)

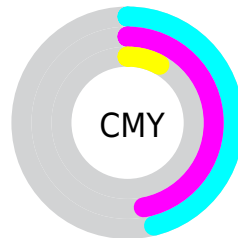


Cyan (41%)

Magenta (42%)

Yellow (0%)

Black (8%)



Cyan (46%)


Magenta (47%)

Yellow (8%)


Brightness & Saturation Gradients

These gradients show how the RYB color 137, 135, 234 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 137, 135, 234 by changing the saturation by 10% instead.

 137, 135, 234


255, 255, 255


 194, 188, 255


 223, 216, 255

 253, 244, 255


 137, 135, 234

 109, 110, 205

 81, 85, 178

 51, 61, 151

 12, 35, 124

 0, 17, 99

 0, 0, 74

 0, 4, 51

 0, 2, 29

 0, 0, 0

■ 137, 135, 234

■ 137, 135, 234

■ 114, 112, 234

■ 160, 158, 234

■ 91, 88, 234

■ 183, 182, 234

■ 68, 65, 234

■ 206, 205, 234

■ 45, 41, 234

■ 229, 229, 234

■ 22, 18, 234

■ 234, 252, 234

■ 5, 0, 234

■ 234, 255, 234

Harmonies

Analogous

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



0, 94, 244



137, 135, 234



200, 114, 201

Triad

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



137, 135, 234



214, 160, 63



0, 93, 169

Complementary

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



137, 135, 234



135, 234, 137

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.



62, 144, 165



137, 135, 234



88, 177, 39

Square

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



137, 135, 234



234, 105, 105



51, 156, 78



0, 89, 188

Rectangle

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



137, 135, 234



224, 104, 170



51, 156, 78



0, 98, 168

Sweetspot

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



137, 135, 234



223, 222, 255



135, 184, 234



108, 107, 128



0, 0, 0



128, 128, 128

Same Dimension

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



137, 135, 234



128, 125, 255



186, 135, 234



106, 106, 117



4, 0, 181



1, 0, 54

Inverse Universe

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



234, 135, 232



255, 125, 252



135, 234, 186



117, 106, 117



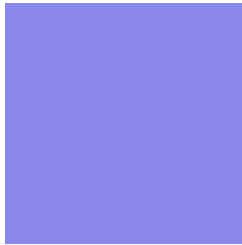
181, 0, 177



54, 0, 52

Previews

White Background



This preview shows how the RYB color 137, 135, 234 looks on a white background.

Color Contrast Check

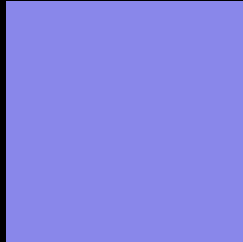
Large Text (above 18pt) WCAG AA ✓ Pass

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 137, 135, 234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

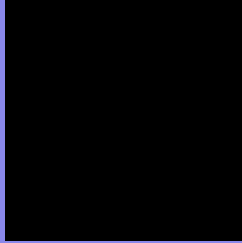
Any Text WCAG AA ✓ Pass

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 137, 135, 234 Background



This preview shows how black text looks on a background with the RYB color 137, 135, 234.



This preview shows how white text looks on a background with the RYB color 137, 135, 234.

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
119, 138, 163

Trichromacy



Original Color
137, 135, 234

Protanomaly
117, 136, 238

Deuteranomaly
111, 136, 233

Tritanomaly
126, 141, 189

Monochromacy



Original Color
137, 135, 234

Achromatopsia
147, 147, 147

Achromatomaly
143, 143, 179

CSS Examples

Text

The CSS property to change the color of the text to RYB 137, 135, 234 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(137, 135, 234)` looks like.

```
.text, #text, p{  
    color:rgb(137, 135, 234)  
}
```

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(137, 135, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 135, 234) }
```

Border

The CSS property to change the border of an element to RYB 137, 135, 234 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(137, 135, 234) }
```

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

```
.border{ border-color:rgb(137, 135, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 135, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 135, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 135, 234);  
box-shadow:4px 4px 4px 4px rgb(137, 135,  
234) }
```

Background

The CSS property to change the background color of an element to RYB 137, 135, 234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 135, 234) }
```

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

```
.background{ background-color: rgb(137,  
135, 234) }
```

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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