

Converting Colors

`RYB(157, 135, 223)`

Have a look what the booklet for
RYB(157, 135, 223) contains.

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Color

R_YB(157, 135, 223)

Conversions

Conversions Part 1

Format	Color
Hex	9D87DF
RGB	157, 135, 223
RGB Percent	62%, 53%, 87%
CMY	0.3843, 0.4706, 0.1255
CMYK	0.30, 0.39, 0.00, 0.13
HSL	255°, 58%, 70%
HSV	255°, 39%, 87%
XYZ	35.8879, 29.8238, 73.6771
YIQ	151.6100, -15.1360, 32.0320

Conversions

Conversions Part 2

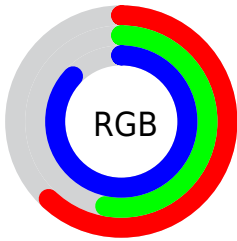
Format	Color
RYB	157, 135, 223
Decimal	10323935
CIELab	61.50, 27.33, -41.96
CIELCh	62, 50.075, 303.075
Yxy	29.8238, 0.2575, 0.2140
Android (android.graphics.Color)	4288514015 (0xFF9D87DF)
YUV	151.6100, 35.1953, 4.7270
Hunter-Lab	54.6111, 21.7324, -41.7617

Details

The RYB color **157, 135, 223** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **135, 223, 157**, and the grayscale version is **151, 151, 151**.

A 20% lighter version of the original color is **213, 188, 255**, and **103, 85, 167** is the 20% darker color. If you saturate the color by 10%, you get **140, 113, 223**, and if you desaturate by 10%, it is **174, 157, 223**.

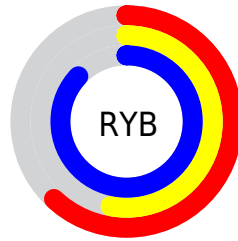
Distribution



Red (62%)

Green (53%)

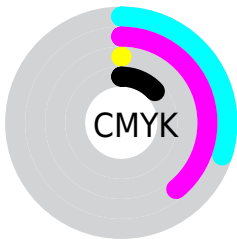
Blue (87%)



Red (62%)

Yellow (53%)

Blue (87%)

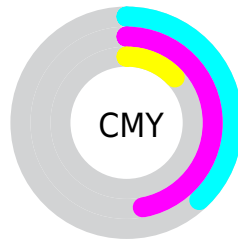


Cyan (30%)

Magenta (39%)

Yellow (0%)

Black (13%)



Cyan (38%)


Magenta (47%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 157, 135, 223 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 157, 135, 223 by changing the saturation by 10% instead.

 157, 135, 223


255, 255, 255


 213, 188, 255

 242, 216, 255


 255, 245, 255


 157, 135, 223

 130, 110, 195

 103, 85, 167

 77, 62, 141

 50, 39, 115

 21, 18, 90

 0, 0, 66

 0, 3, 43

 0, 1, 21

 0, 0, 0

■ 157, 135, 223

■ 157, 135, 223

■ 140, 113, 223

■ 174, 157, 223

■ 124, 90, 223

■ 190, 180, 223

■ 107, 68, 223

■ 207, 202, 223

■ 90, 46, 223

■ 223, 224, 223

■ 73, 24, 223

■ 223, 247, 229

■ 57, 1, 223

■ 223, 255, 223

■ 56, 0, 223

Harmonies

Analogous

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



71, 125, 237



157, 135, 223



207, 118, 189

Triad

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



157, 135, 223



205, 186, 69



0, 91, 171

Complementary

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



157, 135, 223



135, 223, 157

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.



61, 135, 167



157, 135, 223



81, 169, 55

Square

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



157, 135, 223



227, 118, 103



71, 160, 107



0, 91, 196

Rectangle

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



157, 135, 223



225, 111, 161



71, 160, 107



0, 94, 170

Sweetspot

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



157, 135, 223



232, 224, 255



135, 173, 223



114, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



157, 135, 223



165, 135, 255



201, 135, 223



104, 101, 112



44, 0, 176



12, 0, 48

Inverse Universe

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



223, 135, 201



255, 135, 225



135, 223, 201



112, 101, 109



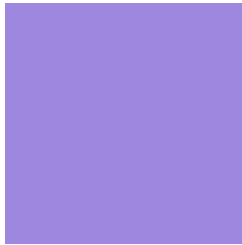
176, 0, 132



48, 0, 36

Previews

White Background



This preview shows how the RYB color 157, 135, 223 looks on a white background.

Color Contrast Check

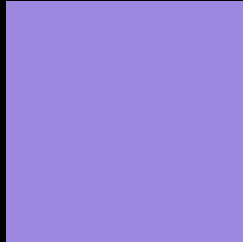
Large Text (above 18pt) WCAG AA ✓ Pass

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 157, 135, 223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

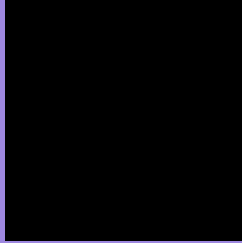
Any Text WCAG AA ✓ Pass

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 157, 135, 223 Background



This preview shows how black text looks on a background with the RYB color 157, 135, 223.



This preview shows how white text looks on a background with the RYB color 157, 135, 223.

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
157, 135, 223

Protanopia
117, 140, 232

Deuteranopia
117, 141, 220



Tritanopia

144, 147, 160

Trichromacy



Original Color
157, 135, 223

Protanomaly
132, 141, 229

Deuteranomaly
132, 142, 221

Tritanomaly
149, 143, 183

Monochromacy



Original Color
157, 135, 223

Achromatopsia
152, 152, 152

Achromatomaly
154, 146, 178

CSS Examples

Text

The CSS property to change the color of the text to RYB 157, 135, 223 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(157, 135, 223)` looks like.

```
.text, #text, p{  
    color:rgb(157, 135, 223)  
}
```

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(157, 135, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 135, 223) }
```

Border

The CSS property to change the border of an element to RYB 157, 135, 223 is called "border". The border property can be set on classes, ids or directly on the HTML element.

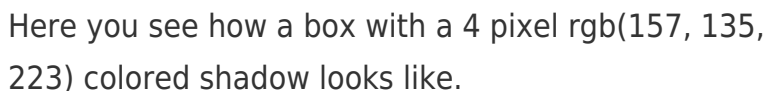
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 135, 223) }
```

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

```
.border{ border-color:rgb(157, 135, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 135, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 135, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 135, 223);  
box-shadow:4px 4px 4px 4px rgb(157, 135,  
223) }
```

Background

The CSS property to change the background color of an element to RYB 157, 135, 223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 135, 223) }
```

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

```
.background{ background-color: rgb(157,  
135, 223) }
```

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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