

Converting Colors

`RYB(135, 78, 183)`

Have a look what the booklet for
RYB(135, 78, 183) contains.

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Color

R_YB(135, 78, 183)

Conversions

Conversions Part 1

Format	Color
Hex	874EB7
RGB	135, 78, 183
RGB Percent	53%, 31%, 72%
CMY	0.4706, 0.6941, 0.2824
CMYK	0.26, 0.57, 0.00, 0.28
HSL	273°, 42%, 51%
HSV	273°, 57%, 72%
XYZ	21.2633, 14.0186, 46.3849
YIQ	107.0130, 0.2670, 44.7390

Conversions

Conversions Part 2

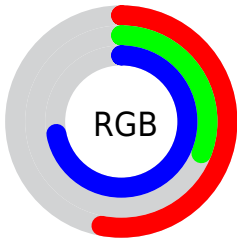
Format	Color
R_{YB}	135, 78, 183
Decimal	8867511
CIE _{Lab}	44.26, 43.79, -46.59
CIE _{LCh}	44, 63.941, 313.224
Yxy	14.0186, 0.2604, 0.1717
Android (android.graphics.Color)	4287057591 (0xFF874EB7)
YUV	107.0130, 37.4616, 24.5446
Hunter-Lab	37.4414, 35.8494, -47.2435

Details

The RYB color **135, 78, 183** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **78, 183, 135**, and the grayscale version is **107, 107, 107**.

A 20% lighter version of the original color is **191, 129, 240**, and **81, 28, 129** is the 20% darker color. If you saturate the color by 10%, you get **127, 60, 183**, and if you desaturate by 10%, it is **143, 96, 183**.

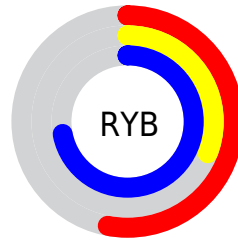
Distribution



Red (53%)

Green (31%)

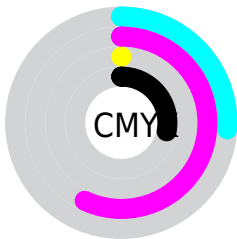
Blue (72%)



Red (53%)

Yellow (31%)

Blue (72%)

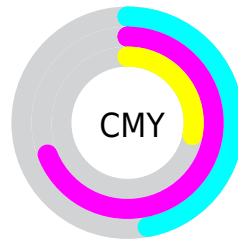


Cyan (26%)

Magenta (57%)

Yellow (0%)

Black (28%)



Cyan (47%)


Magenta (69%)


Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the RYB color 135, 78, 183 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, 78, 183 by changing the saturation by 10% instead.


 135, 78, 183


 135, 78, 183

255, 255, 255

 108, 53, 156

 191, 129, 240

 81, 28, 129

 220, 156, 255

 55, 0, 104

 249, 184, 255

 28, 0, 79

 255, 212, 255

 0, 0, 55

 255, 240, 255

 0, 2, 33

 0, 0, 5

 0, 0, 0

 135, 78, 183

 135, 78, 183

127, 60, 183

143, 96, 183

118, 41, 183

152, 115, 183

110, 23, 183

160, 133, 183

102, 5, 183

168, 151, 183

99, 0, 183

177, 170, 183

183, 188, 186

183, 206, 195

183, 224, 205

183, 243, 216

Harmonies

Analogous

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



0, 69, 209



135, 78, 183



183, 48, 137

Triad

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



135, 78, 183



100, 151, 0



0, 64, 128

Complementary

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



135, 78, 183



78, 183, 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.



0, 80, 126



135, 78, 183



0, 110, 5

Square

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



135, 78, 183



184, 74, 32



9, 121, 91



0, 74, 177

Rectangle

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



135, 78, 183



196, 38, 101



9, 121, 91



0, 69, 128

Sweetspot

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



135, 78, 183



219, 197, 237



78, 111, 183



109, 96, 120



247, 247, 247



120, 120, 120

Same Dimension

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



135, 78, 183



162, 74, 237



183, 78, 180



88, 83, 92



84, 0, 156



15, 0, 28

Inverse Universe

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



183, 78, 126



237, 74, 148



78, 179, 183



92, 83, 87



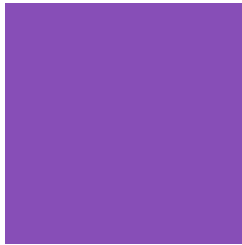
156, 0, 71



28, 0, 13

Previews

White Background



This preview shows how the RYB color 135, 78, 183 looks on a white 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

Black Background



This preview shows how the RYB color 135, 78, 183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

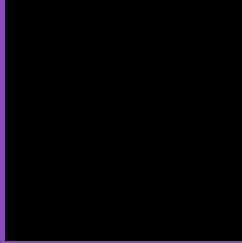
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 135, 78, 183 Background



This preview shows how black text looks on a background with the RYB color 135, 78, 183.

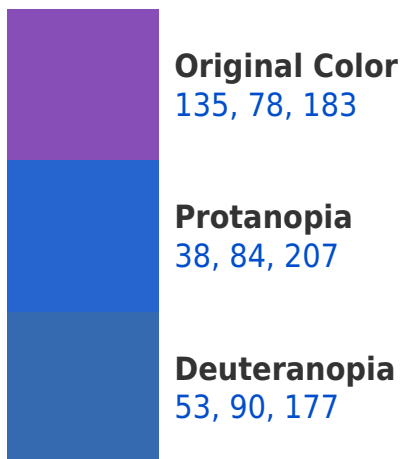


This preview shows how white text looks on a background with the RYB color 135, 78, 183.

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
122, 99, 106

Trichromacy



Original Color

135, 78, 183



Protanomaly

73, 90, 198



Deuteranomaly

83, 94, 179



Tritanomaly

127, 91, 134

Monochromacy



Original Color

135, 78, 183



Achromatopsia

107, 107, 107



Achromatomaly

117, 96, 135

CSS Examples

Text

The CSS property to change the color of the text to RYB 135, 78, 183 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, 78, 183)` looks like.

```
.text, #text, p{  
    color:rgb(135, 78, 183)  
}
```

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, 78, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 78, 183) }
```

Border

The CSS property to change the border of an element to RYB 135, 78, 183 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, 78, 183) }
```

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

```
.border{ border-color:rgb(135, 78, 183) }
```

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

Here you see how a box with a 4 pixel rgb(135, 78, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 78, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 78, 183);  
box-shadow:4px 4px 4px 4px rgb(135, 78,  
183) }
```

Background

The CSS property to change the background color of an element to RGB 135, 78, 183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 78, 183) }
```

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

```
.background{ background-color: rgb(135, 78,  
183) }
```

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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