

Converting Colors

`RYB(131, 81, 205)`

Have a look what the booklet for
RYB(131, 81, 205) contains.

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Color

R_YB(131, 81, 205)

Conversions

Conversions Part 1

Format	Color
Hex	8351CD
RGB	131, 81, 205
RGB Percent	51%, 32%, 80%
CMY	0.4863, 0.6824, 0.1961
CMYK	0.36, 0.60, 0.00, 0.20
HSL	264°, 55%, 56%
HSV	264°, 60%, 80%
XYZ	23.3219, 15.1179, 59.4465
YIQ	110.0860, -10.0040, 49.1640

Conversions

Conversions Part 2

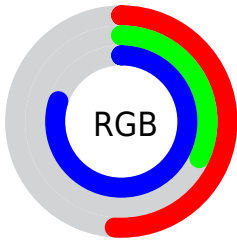
Format	Color
R _Y B	131, 81, 205
Decimal	8606157
CIE Lab	45.80, 46.67, -56.92
CIE LCh	46, 73.604, 309.347
Yxy	15.1179, 0.2383, 0.1544
Android (android.graphics.Color)	4286796237 (0xFF8351CD)
YUV	110.0860, 46.7926, 18.3416
Hunter-Lab	38.8818, 39.0242, -63.4314

Details

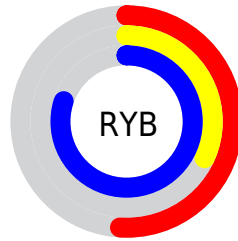
The RYB color **131, 81, 205** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **81, 205, 131**, and the grayscale version is **110, 110, 110**.

A 20% lighter version of the original color is **188, 133, 255**, and **75, 31, 150** is the 20% darker color. If you saturate the color by 10%, you get **119, 60, 205**, and if you desaturate by 10%, it is **143, 101, 205**.

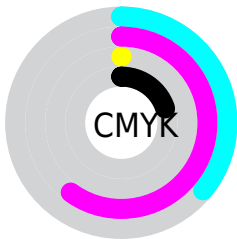
Distribution



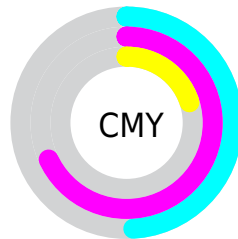
- Red (51%)
- Green (32%)
- Blue (80%)



- Red (51%)
- Yellow (32%)
- Blue (80%)



- Cyan (36%)
- Magenta (60%)
- Yellow (0%)
- Black (20%)





- Cyan (49%)
- Magenta (68%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the RYB color 131, 81, 205 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 131, 81, 205 by changing the saturation by 10% instead.

 131, 81, 205

 131, 81, 205


255, 255, 255

 103, 56, 177

 188, 133, 255

 75, 31, 150

 217, 159, 255

 45, 3, 123


 247, 187, 255


 5, 0, 98

 255, 215, 255


 0, 0, 73


 255, 244, 255

 0, 4, 49

 0, 1, 27

 0, 0, 0

 131, 81, 205

 131, 81, 205

■ 119, 60, 205

■ 143, 101, 205

■ 107, 40, 205

■ 155, 122, 205

■ 94, 19, 205

■ 168, 143, 205

■ 83, 0, 205

■ 180, 163, 205

■ 192, 184, 205

■ 204, 204, 205

■ 205, 224, 212

■ 205, 245, 221

■ 205, 255, 219

Harmonies

Analogous

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



0, 75, 232



131, 81, 205



194, 38, 153

Triad

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



131, 81, 205



144, 166, 0



0, 69, 134

Complementary

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



131, 81, 205



81, 205, 131

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, 90, 132



131, 81, 205



3, 115, 0

Square

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



131, 81, 205



201, 56, 32



0, 125, 86



0, 78, 186

Rectangle

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



131, 81, 205



211, 4, 113



0, 125, 86



0, 75, 134

Sweetspot

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



131, 81, 205



228, 209, 255



81, 127, 205



111, 99, 128



0, 0, 0



128, 128, 128

Same Dimension

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



131, 81, 205



144, 69, 255



193, 81, 205



96, 92, 102



67, 0, 166



15, 0, 38

Inverse Universe

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



205, 81, 155



255, 69, 180



81, 205, 193



102, 92, 98



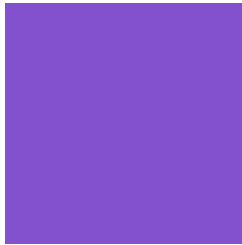
166, 0, 99



38, 0, 23

Previews

White Background



This preview shows how the RYB color 131, 81, 205 looks on a white background.

Color Contrast Check

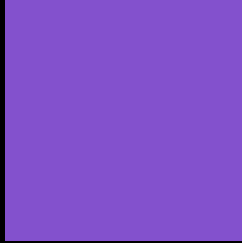
Large Text (above 18pt) WCAG AA ✓ Pass

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 131, 81, 205 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 131, 81, 205 Background



This preview shows how black text looks on a background with the RYB color 131, 81, 205.



This preview shows how white text looks on a background with the RYB color 131, 81, 205.

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
131, 81, 205

Protanopia
0, 71, 222

Deuteranopia
0, 71, 195



Tritanopia
112, 106, 115

Trichromacy



Original Color

131, 81, 205



Protanomaly

48, 85, 216



Deuteranomaly

48, 87, 199



Tritanomaly

119, 97, 148

Monochromacy



Original Color

131, 81, 205



Achromatopsia

110, 110, 110



Achromatomaly

118, 99, 145

CSS Examples

Text

The CSS property to change the color of the text to RYB 131, 81, 205 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(131, 81, 205)` looks like.

```
.text, #text, p{  
    color:rgb(131, 81, 205)  
}
```

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(131, 81, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 81, 205) }
```

Border

The CSS property to change the border of an element to RYB 131, 81, 205 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(131, 81, 205) }
```

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

```
.border{ border-color:rgb(131, 81, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 81, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 81, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 81, 205);  
box-shadow:4px 4px 4px 4px rgb(131, 81,  
205) }
```

Background

The CSS property to change the background color of an element to RGB 131, 81, 205 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 81, 205) }
```

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

```
.background{ background-color: rgb(131, 81,  
205) }
```

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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