

Converting Colors

`RYB(131, 107, 199)`

Have a look what the booklet for
RYB(131, 107, 199) contains.

RYB(131, 107, 199)	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(131, 107, 199)

Conversions

Conversions Part 1

Format	Color
Hex	836BC7
RGB	131, 107, 199
RGB Percent	51%, 42%, 78%
CMY	0.4863, 0.5804, 0.2196
CMYK	0.34, 0.46, 0.00, 0.22
HSL	256°, 45%, 60%
HSV	256°, 46%, 78%
XYZ	24.9266, 19.4642, 56.4760
YIQ	124.6640, -15.2280, 33.7000

Conversions

Conversions Part 2

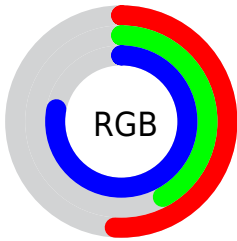
Format	Color
R_{YB}	131, 107, 199
Decimal	8612807
CIE _{Lab}	51.23, 30.28, -44.79
CIE _{LCh}	51, 54.061, 304.061
Yxy	19.4642, 0.2471, 0.1930
Android (android.graphics.Color)	4286802887 (0xFF836BC7)
YUV	124.6640, 36.6476, 5.5567
Hunter-Lab	44.1183, 23.6446, -45.0147

Details

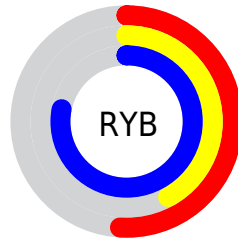
The RYB color **131, 107, 199** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **107, 199, 131**, and the grayscale version is **124, 124, 124**.

A 20% lighter version of the original color is **187, 159, 255**, and **77, 59, 144** is the 20% darker color. If you saturate the color by 10%, you get **116, 87, 199**, and if you desaturate by 10%, it is **146, 127, 199**.

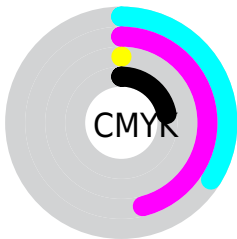
Distribution



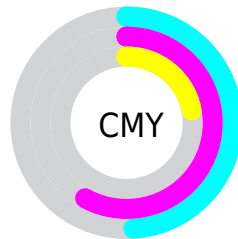
- Red (51%)
- Green (42%)
- Blue (78%)



- Red (51%)
- Yellow (42%)
- Blue (78%)



- Cyan (34%)
- Magenta (46%)
- Yellow (0%)
- Black (22%)



- Cyan (49%)
- Magenta (58%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RYB color 131, 107, 199 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, 107, 199 by changing the saturation by 10% instead.

 131, 107, 199

255, 255, 255

 187, 159, 255

 215, 186, 255

 244, 214, 255


 255, 242, 255

 131, 107, 199

 104, 82, 171


 77, 59, 144

 50, 37, 118

 20, 15, 93

 0, 0, 69

 0, 3, 46

 0, 1, 24

 0, 0, 0

 131, 107, 199

 131, 107, 199

■ 116, 87, 199

■ 146, 127, 199

■ 102, 67, 199

■ 160, 147, 199

■ 87, 47, 199

■ 175, 167, 199

■ 72, 27, 199

■ 190, 187, 199

■ 57, 8, 199

■ 199, 207, 201

■ 52, 0, 199

■ 199, 226, 206

■ 199, 246, 211

■ 199, 255, 205

■ 199, 255, 199

Harmonies

Analogous

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



0, 79, 214



131, 107, 199



183, 87, 163

Triad

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



131, 107, 199



177, 173, 35



0, 77, 144

Complementary

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



131, 107, 199



107, 199, 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, 141



131, 107, 199



35, 140, 14

Square

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



131, 107, 199



201, 87, 73



38, 134, 80



0, 78, 173

Rectangle

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



131, 107, 199



200, 78, 133



38, 134, 80



0, 81, 143

Sweetspot

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



131, 107, 199



229, 219, 255



107, 146, 199



111, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



131, 107, 199



151, 115, 255



176, 107, 199



92, 90, 99



43, 0, 163



9, 0, 36

Inverse Universe

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



199, 107, 175



255, 115, 218



107, 199, 176



99, 90, 97



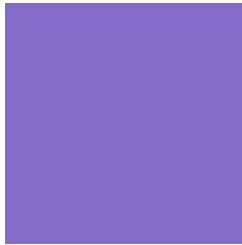
163, 0, 121



36, 0, 26

Previews

White Background



This preview shows how the RYB color 131, 107, 199 looks on a white background.

Color Contrast Check

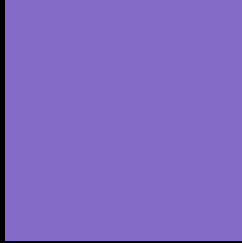
Large Text (above 18pt) WCAG AA ✓ Pass

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 131, 107, 199 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 131, 107, 199 Background



This preview shows how black text looks on a background with the RYB color 131, 107, 199.

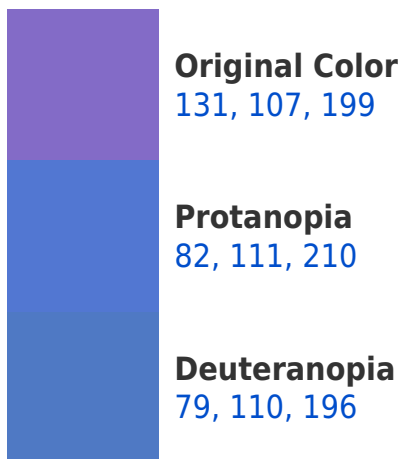


This preview shows how white text looks on a background with the RYB color 131, 107, 199.

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
117, 121, 132

Trichromacy



Original Color
131, 107, 199

Protanomaly
100, 113, 206

Deuteranomaly
98, 114, 197

Tritanomaly
122, 117, 156

Monochromacy



Original Color
131, 107, 199

Achromatopsia
125, 125, 125

Achromatomaly
127, 118, 152

CSS Examples

Text

The CSS property to change the color of the text to RYB 131, 107, 199 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, 107, 199)` looks like.

```
.text, #text, p{  
    color:rgb(131, 107, 199)  
}
```

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, 107, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 107, 199) }
```

Border

The CSS property to change the border of an element to RYB 131, 107, 199 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, 107, 199) }
```

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

```
.border{ border-color:rgb(131, 107, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 107, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 107, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 107, 199);  
box-shadow:4px 4px 4px 4px rgb(131, 107,  
199) }
```

Background

The CSS property to change the background color of an element to RYB 131, 107, 199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 107, 199) }
```

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

```
.background{ background-color: rgb(131,  
107, 199) }
```

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