

Converting Colors

`RYB(131, 126, 171)`

Have a look what the booklet for
RYB(131, 126, 171) contains.

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Color

R_YB(131, 126, 171)

Conversions

Conversions Part 1

Format	Color
Hex	837EAB
RGB	131, 126, 171
RGB Percent	51%, 49%, 67%
CMY	0.4863, 0.5059, 0.3294
CMYK	0.23, 0.26, 0.00, 0.33
HSL	247°, 21%, 58%
HSV	247°, 26%, 67%
XYZ	24.1716, 22.6873, 41.6332
YIQ	132.6250, -11.4650, 15.0550

Conversions

Conversions Part 2

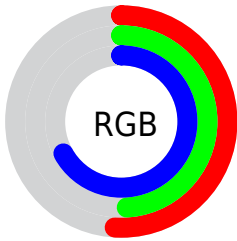
Format	Color
R_{YB}	131, 126, 171
Decimal	8617643
CIE _{Lab}	54.75, 11.83, -23.18
CIE _{LCh}	55, 26.026, 297.034
Yxy	22.6873, 0.2732, 0.2564
Android (android.graphics.Color)	4286807723 (0xFF837EAB)
YUV	132.6250, 18.9189, -1.4251
Hunter-Lab	47.6312, 7.2297, -18.4821

Details

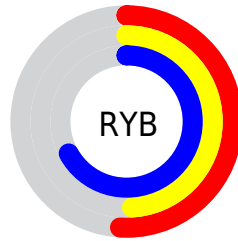
The RYB color **131, 126, 171** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **126, 171, 131**, and the grayscale version is **132, 132, 132**.

A 20% lighter version of the original color is **185, 179, 226**, and **81, 77, 119** is the 20% darker color. If you saturate the color by 10%, you get **116, 109, 171**, and if you desaturate by 10%, it is **146, 143, 171**.

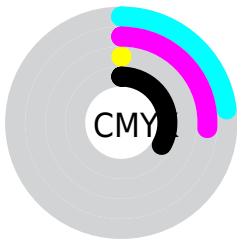
Distribution



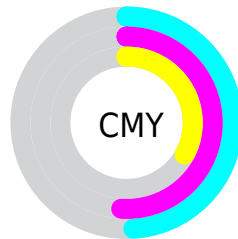
- Red (51%)
- Green (49%)
- Blue (67%)



- Red (51%)
- Yellow (49%)
- Blue (67%)



- Cyan (23%)
- Magenta (26%)
- Yellow (0%)
- Black (33%)



- Cyan (49%)
- Magenta (51%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 131, 126, 171 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, 126, 171 by changing the saturation by 10% instead.

■ 131, 126, 171

255, 255, 255

■ 185, 179, 226

■ 213, 206, 255

■ 241, 234, 255

■ 131, 126, 171

■ 105, 101, 144

■ 81, 77, 119

■ 57, 54, 94

■ 33, 33, 70

■ 12, 11, 47

■ 0, 1, 26

■ 0, 0, 0

■ 131, 126, 171

■ 116, 109, 171

■ 131, 126, 171

■ 146, 143, 171

101, 92, 171

161, 160, 171

85, 75, 171

171, 177, 171

70, 58, 171

171, 194, 173

55, 41, 171

171, 211, 175

40, 23, 171

171, 229, 178

25, 6, 171

171, 246, 180

19, 0, 171

171, 255, 173

171, 255, 171

Harmonies

Analogous

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



98, 123, 176



131, 126, 171



158, 118, 156

Triad

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



131, 126, 171



166, 137, 94



73, 112, 143

Complementary

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



131, 126, 171



126, 171, 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.



99, 135, 141



131, 126, 171



115, 149, 86

Square

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



131, 126, 171



175, 115, 112



90, 136, 101



56, 101, 151

Rectangle

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



131, 126, 171



169, 115, 142



90, 136, 101



82, 120, 143

Sweetspot

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



131, 126, 171



206, 204, 222



126, 147, 171



102, 101, 112



240, 240, 240



112, 112, 112

Same Dimension

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



131, 126, 171



159, 151, 222



153, 126, 171



79, 78, 87



17, 0, 150



3, 0, 23

Inverse Universe

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



171, 126, 166



222, 151, 214



126, 171, 153



87, 78, 86



150, 0, 134



23, 0, 20

Previews

White Background



This preview shows how the RYB color 131, 126, 171 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, 126, 171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

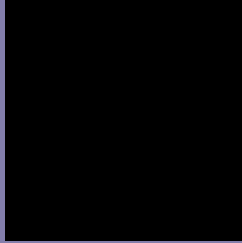
Any Text WCAG AA ✓ Pass

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, 126, 171 Background



This preview shows how black text looks on a background with the RYB color 131, 126, 171.



This preview shows how white text looks on a background with the RYB color 131, 126, 171.

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, 126, 171

Protanopia

119, 127, 174

Deuteranopia

122, 128, 170



Tritanopia

125, 129, 142

Trichromacy



Original Color

131, 126, 171

Protanomaly

123, 128, 173

Deuteranomaly

125, 128, 170

Tritanomaly

127, 129, 153

Monochromacy



Original Color

131, 126, 171

Achromatopsia

133, 133, 133

Achromatomaly

132, 130, 147

CSS Examples

Text

The CSS property to change the color of the text to RYB 131, 126, 171 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, 126, 171)` looks like.

```
.text, #text, p{  
    color:rgb(131, 126, 171)  
}
```

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, 126, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 126, 171) }
```

Border

The CSS property to change the border of an element to RYB 131, 126, 171 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, 126, 171) }
```

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

```
.border{ border-color:rgb(131, 126, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 126, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 126, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 126, 171);  
box-shadow:4px 4px 4px 4px rgb(131, 126,  
171) }
```

Background

The CSS property to change the background color of an element to RYB 131, 126, 171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 126, 171) }
```

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

```
.background{ background-color: rgb(131,  
126, 171) }
```

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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