

Converting Colors

`RYB(129, 81, 174)`

Have a look what the booklet for
RYB(129, 81, 174) contains.

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Color

R_YB(129, 81, 174)

Conversions

Conversions Part 1

Format	Color
Hex	8151AE
RGB	129, 81, 174
RGB Percent	51%, 32%, 68%
CMY	0.4941, 0.6824, 0.3176
CMYK	0.26, 0.53, 0.00, 0.32
HSL	271°, 36%, 50%
HSV	271°, 53%, 68%
XYZ	19.6357, 13.6080, 41.6361
YIQ	105.9540, -1.2450, 39.0990

Conversions

Conversions Part 2

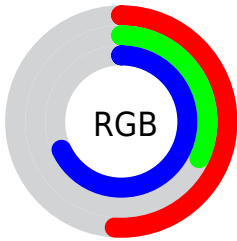
Format	Color
RYB	129, 81, 174
Decimal	8475054
CIELab	43.67, 38.40, -42.30
CIElCh	44, 57.126, 312.236
Yxy	13.6080, 0.2622, 0.1817
Android (android.graphics.Color)	4286665134 (0xFF8151AE)
YUV	105.9540, 33.5467, 20.2113
Hunter-Lab	36.8890, 30.4582, -41.0975

Details

The RYB color **129, 81, 174** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **81, 174, 129**, and the grayscale version is **106, 106, 106**.

A 20% lighter version of the original color is **184, 132, 230**, and **76, 33, 121** is the 20% darker color. If you saturate the color by 10%, you get **121, 64, 174**, and if you desaturate by 10%, it is **137, 98, 174**.

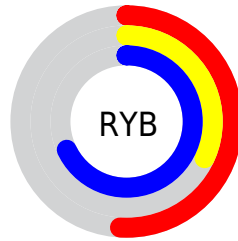
Distribution



Red (51%)

Green (32%)

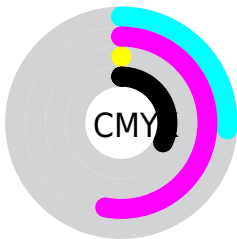
Blue (68%)



Red (51%)

Yellow (32%)

Blue (68%)

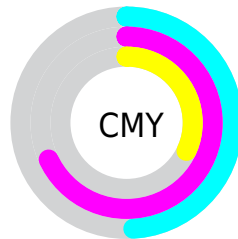


Cyan (26%)

Magenta (53%)

Yellow (0%)

Black (32%)



Cyan (49%)

Magenta (68%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the RYB color 129, 81, 174 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 129, 81, 174 by changing the saturation by 10% instead.



129, 81, 174



129, 81, 174

255, 255, 255



102, 57, 147



184, 132, 230



76, 33, 121



213, 159, 255



50, 7, 96



242, 186, 255



25, 0, 71



255, 214, 255



0, 0, 48



255, 242, 255



0, 1, 26



0, 0, 0



129, 81, 174



129, 81, 174



121, 64, 174



137, 98, 174

■ 112, 46, 174

■ 146, 116, 174

■ 104, 29, 174

■ 154, 133, 174

■ 95, 11, 174

■ 163, 151, 174

■ 90, 0, 174

■ 171, 168, 174

■ 174, 185, 179

■ 174, 203, 189

■ 174, 220, 198

■ 174, 238, 207

Harmonies

Analogous

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



2, 68, 197



129, 81, 174



173, 58, 133

Triad

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



129, 81, 174



93, 147, 0



0, 63, 125

Complementary

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



129, 81, 174



81, 174, 129

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, 78, 123



129, 81, 174



0, 107, 0

Square

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



129, 81, 174



176, 76, 41



23, 117, 88



0, 71, 166

Rectangle

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



129, 81, 174



185, 50, 102



23, 117, 88



0, 67, 124

Sweetspot

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



129, 81, 174



209, 191, 227



81, 112, 174



104, 93, 115



242, 242, 242



115, 115, 115

Same Dimension

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



129, 81, 174



157, 82, 227



174, 81, 174



83, 78, 87



78, 0, 150



12, 0, 23

Inverse Universe

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



174, 81, 126



227, 82, 152



81, 174, 174



87, 78, 82



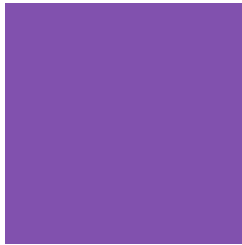
150, 0, 73



23, 0, 11

Previews

White Background



This preview shows how the RYB color 129, 81, 174 looks on a white background.

Color Contrast Check

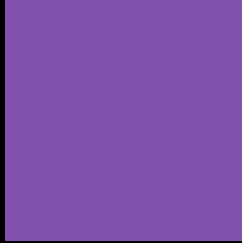
Large Text (above 18pt) WCAG AA ✓ Pass

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 129, 81, 174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

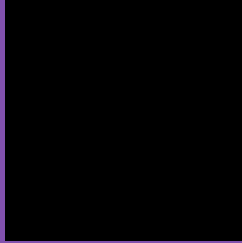
Any Text WCAG AA × Fail

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](#).

R Y B 129, 81, 174 Background



This preview shows how black text looks on a background with the R Y B color 129, 81, 174.



This preview shows how white text looks on a background with the R Y B color 129, 81, 174.

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
129, 81, 174

Protanopia
55, 89, 193

Deuteranopia
62, 92, 169



Tritanopia
117, 98, 106

Trichromacy



Original Color

129, 81, 174

Protanomaly

82, 92, 186

Deuteranomaly

86, 95, 171

Tritanomaly

121, 92, 131

Monochromacy



Original Color

129, 81, 174

Achromatopsia

106, 106, 106

Achromatomaly

114, 97, 131

CSS Examples

Text

The CSS property to change the color of the text to RYB 129, 81, 174 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(129, 81, 174)` looks like.

```
.text, #text, p{  
    color:rgb(129, 81, 174)  
}
```

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(129, 81, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 81, 174) }
```

Border

The CSS property to change the border of an element to RYB 129, 81, 174 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(129, 81, 174) }
```

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

```
.border{ border-color:rgb(129, 81, 174) }
```

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

Here you see how a box with a 4 pixel rgb(129, 81, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 81, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 81, 174);  
box-shadow:4px 4px 4px 4px rgb(129, 81,  
174) }
```

Background

The CSS property to change the background color of an element to RGB 129, 81, 174 is called "background".

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

```
.background, #background, body{  
background: rgb(129, 81, 174) }
```

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

```
.background{ background-color: rgb(129, 81,  
174) }
```

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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