

Converting Colors

`RYB(129, 96, 151)`

Have a look what the booklet for
RYB(129, 96, 151) contains.

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Color

R_YB(129, 96, 151)

Conversions

Conversions Part 1

Format	Color
Hex	816097
RGB	129, 96, 151
RGB Percent	51%, 38%, 59%
CMY	0.4941, 0.6235, 0.4078
CMYK	0.15, 0.36, 0.00, 0.41
HSL	276°, 22%, 48%
HSV	276°, 36%, 59%
XYZ	18.8220, 15.2672, 31.2330
YIQ	112.1370, 2.0130, 24.1010

Conversions

Conversions Part 2

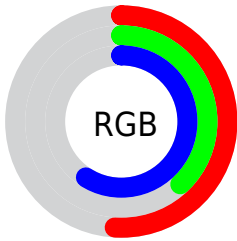
Format	Color
R_{YB}	129, 96, 151
Decimal	8478871
CIE _{Lab}	46.00, 24.20, -25.01
CIE _{LCh}	46, 34.803, 314.065
Yxy	15.2672, 0.2881, 0.2337
Android (android.graphics.Color)	4286668951 (0xFF816097)
YUV	112.1370, 19.1595, 14.7889
Hunter-Lab	39.0733, 17.6071, -20.0418

Details

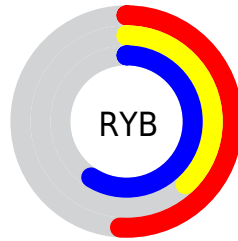
The RYB color **129, 96, 151** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **96, 151, 129**, and the grayscale version is **112, 112, 112**.

A 20% lighter version of the original color is **183, 147, 205**, and **79, 49, 100** is the 20% darker color. If you saturate the color by 10%, you get **123, 81, 151**, and if you desaturate by 10%, it is **135, 111, 151**.

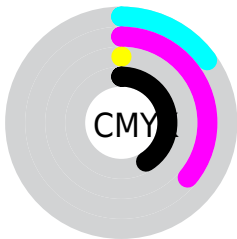
Distribution



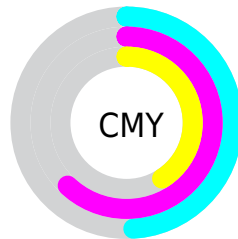
- Red (51%)
- Green (38%)
- Blue (59%)



- Red (51%)
- Yellow (38%)
- Blue (59%)



- Cyan (15%)
- Magenta (36%)
- Yellow (0%)
- Black (41%)



- Cyan (49%)
- Magenta (62%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the RYB color 129, 96, 151 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, 96, 151 by changing the saturation by 10% instead.

 129, 96, 151


 129, 96, 151

255, 255, 255

 103, 72, 125

 183, 147, 205

 79, 49, 100

 211, 174, 234

 55, 27, 76

 239, 201, 255

 32, 5, 53

 255, 229, 255

 0, 0, 31

 0, 0, 2

 0, 0, 0

 129, 96, 151

 129, 96, 151

 123, 81, 151

 135, 111, 151

117, 66, 151

141, 126, 151

111, 51, 151

147, 141, 151

105, 36, 151

151, 156, 154

99, 21, 151

151, 171, 163

93, 5, 151

151, 187, 173

91, 0, 151

151, 202, 182

151, 217, 191

151, 232, 200

Harmonies

Analogous

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



86, 103, 165



129, 96, 151



155, 87, 126

Triad

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



129, 96, 151



119, 140, 52



0, 63, 124

Complementary

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



129, 96, 151



96, 151, 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.



36, 89, 123



129, 96, 151



51, 113, 50

Square

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



129, 96, 151



158, 98, 70



66, 119, 104



0, 67, 149

Rectangle

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



129, 96, 151



163, 85, 106



66, 119, 104



0, 65, 124

Sweetspot

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



129, 96, 151



188, 175, 196



96, 112, 151



94, 87, 99



227, 227, 227



99, 99, 99

Same Dimension

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



129, 96, 151



162, 110, 196



151, 96, 146



73, 69, 77



84, 0, 140



8, 0, 13

Inverse Universe

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



151, 96, 118



196, 110, 145



96, 146, 151



77, 69, 72



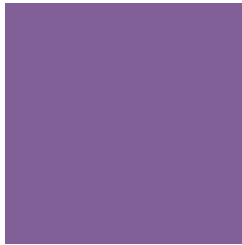
140, 0, 56



13, 0, 5

Previews

White Background



This preview shows how the RYB color 129, 96, 151 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, 96, 151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

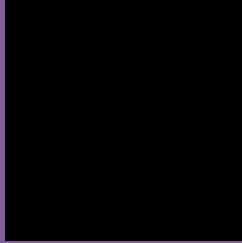
Any Text WCAG AA × Fail

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 129, 96, 151 Background



This preview shows how black text looks on a background with the RYB color 129, 96, 151.

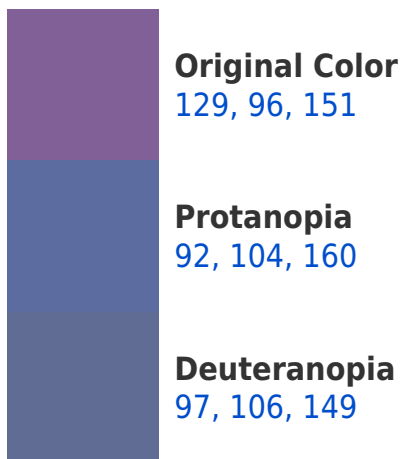



This preview shows how white text looks on a background with the RYB color 129, 96, 151.

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
123, 104, 112

Trichromacy



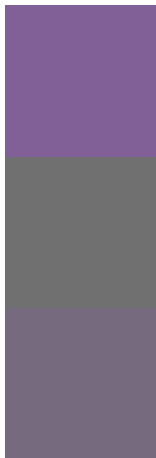
Original Color
129, 96, 151

Protanomaly
105, 103, 157

Deuteranomaly
109, 104, 150

Tritanomaly
125, 101, 126

Monochromacy



Original Color
129, 96, 151

Achromatopsia
112, 112, 112

Achromatomaly
118, 106, 126

CSS Examples

Text

The CSS property to change the color of the text to RYB 129, 96, 151 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, 96, 151)` looks like.

```
.text, #text, p{  
    color:rgb(129, 96, 151)  
}
```

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, 96, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 96, 151) }
```

Border

The CSS property to change the border of an element to RYB 129, 96, 151 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, 96, 151) }
```

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

```
.border{ border-color:rgb(129, 96, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 96, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 96, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 96, 151);  
box-shadow:4px 4px 4px 4px rgb(129, 96,  
151) }
```

Background

The CSS property to change the background color of an element to RGB 129, 96, 151 is called "background".

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

```
.background, #background, body{  
background: rgb(129, 96, 151) }
```

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

```
.background{ background-color: rgb(129, 96,  
151) }
```

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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