

Converting Colors

`RYB(129, 84, 185)`

Have a look what the booklet for
RYB(129, 84, 185) contains.

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Color

R_YB(129, 84, 185)

Conversions

Conversions Part 1

Format	Color
Hex	8154B9
RGB	129, 84, 185
RGB Percent	51%, 33%, 73%
CMY	0.4941, 0.6706, 0.2745
CMYK	0.30, 0.55, 0.00, 0.27
HSL	267°, 42%, 53%
HSV	267°, 55%, 73%
XYZ	20.9805, 14.5106, 47.5940
YIQ	108.9690, -5.6010, 40.9510

Conversions

Conversions Part 2

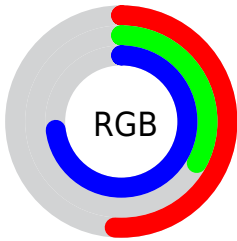
Format	Color
R_{YB}	129, 84, 185
Decimal	8475833
CIE _{Lab}	44.96, 39.43, -46.69
CIE _{LCh}	45, 61.113, 310.186
Yxy	14.5106, 0.2525, 0.1746
Android (android.graphics.Color)	4286665913 (0xFF8154B9)
YUV	108.9690, 37.4833, 17.5672
Hunter-Lab	38.0927, 31.6512, -47.4134

Details

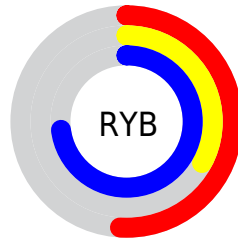
The RYB color **129, 84, 185** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **84, 185, 129**, and the grayscale version is **109, 109, 109**.

A 20% lighter version of the original color is **185, 135, 242**, and **75, 36, 131** is the 20% darker color. If you saturate the color by 10%, you get **119, 66, 185**, and if you desaturate by 10%, it is **139, 103, 185**.

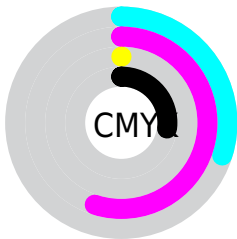
Distribution



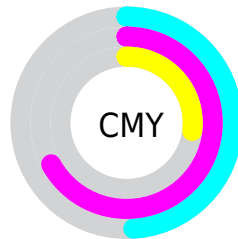
- Red (51%)
- Green (33%)
- Blue (73%)



- Red (51%)
- Yellow (33%)
- Blue (73%)



- Cyan (30%)
- Magenta (55%)
- Yellow (0%)
- Black (27%)



- Cyan (49%)
- Magenta (67%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the RYB color 129, 84, 185 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, 84, 185 by changing the saturation by 10% instead.

 129, 84, 185

 129, 84, 185

255, 255, 255

 102, 60, 158

 185, 135, 242

 75, 36, 131

 213, 162, 255

 48, 11, 105

 242, 189, 255

 20, 0, 81

 255, 217, 255

 0, 0, 57

 255, 246, 255

 0, 2, 34

 0, 0, 9

 0, 0, 0

 129, 84, 185

 129, 84, 185

■ 119, 66, 185

■ 139, 103, 185

■ 108, 47, 185

■ 150, 121, 185

■ 98, 29, 185

■ 160, 140, 185

■ 88, 10, 185

■ 170, 158, 185

■ 82, 0, 185

■ 180, 177, 185

■ 185, 195, 189

■ 185, 213, 197

■ 185, 232, 206

■ 185, 251, 215

Harmonies

Analogous

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



0, 71, 208



129, 84, 185



179, 57, 142

Triad

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



129, 84, 185



111, 156, 0



0, 66, 129

Complementary

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



129, 84, 185



84, 185, 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, 82, 127



129, 84, 185



3, 113, 0

Square

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



129, 84, 185



185, 72, 43



12, 121, 78



0, 73, 171

Rectangle

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



129, 84, 185



193, 47, 108



12, 121, 78



0, 71, 129

Sweetspot

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



129, 84, 185



218, 201, 240



84, 120, 185



107, 97, 120



247, 247, 247



120, 120, 120

Same Dimension

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



129, 84, 185



152, 81, 240



178, 84, 185



87, 83, 92



69, 0, 156



12, 0, 28

Inverse Universe

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



185, 84, 140



240, 81, 169



84, 185, 178



92, 83, 88



156, 0, 86



28, 0, 16

Previews

White Background



This preview shows how the RYB color 129, 84, 185 looks on a white background.

Color Contrast Check

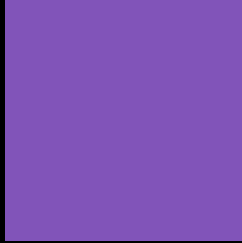
Large Text (above 18pt) WCAG AA ✓ Pass

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, 84, 185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

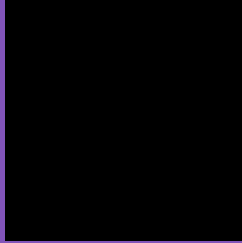
Any Text WCAG AA × Fail

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, 84, 185 Background



This preview shows how black text looks on a background with the RYB color 129, 84, 185.

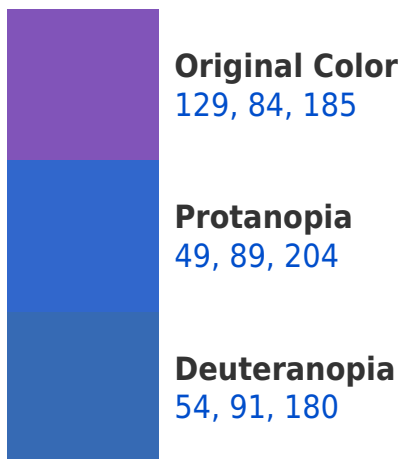



This preview shows how white text looks on a background with the RYB color 129, 84, 185.

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
115, 103, 111

Trichromacy



Original Color
129, 84, 185

Protanomaly
78, 94, 197

Deuteranomaly
81, 96, 182

Tritanomaly
120, 96, 138

Monochromacy



Original Color
129, 84, 185

Achromatopsia
109, 109, 109

Achromatomaly
116, 100, 137

CSS Examples

Text

The CSS property to change the color of the text to RYB 129, 84, 185 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, 84, 185)` looks like.

```
.text, #text, p{  
    color:rgb(129, 84, 185)  
}
```

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, 84, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 84, 185) }
```

Border

The CSS property to change the border of an element to RYB 129, 84, 185 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, 84, 185) }
```

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

```
.border{ border-color:rgb(129, 84, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 84, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 84, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 84, 185);  
box-shadow:4px 4px 4px 4px rgb(129, 84,  
185) }
```

Background

The CSS property to change the background color of an element to RGB 129, 84, 185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 84, 185) }
```

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

```
.background{ background-color: rgb(129, 84,  
185) }
```

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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