

Converting Colors

`RYB(129, 54, 163)`

Have a look what the booklet for
RYB(129, 54, 163) contains.

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Color

R_YB(129, 54, 163)

Conversions

Conversions Part 1

Format	Color
Hex	8136A3
RGB	129, 54, 163
RGB Percent	51%, 21%, 64%
CMY	0.4941, 0.7882, 0.3608
CMYK	0.21, 0.67, 0.00, 0.36
HSL	281°, 50%, 43%
HSV	281°, 67%, 64%
XYZ	16.9833, 9.9498, 35.6757
YIQ	88.8510, 9.7110, 49.7990

Conversions

Conversions Part 2

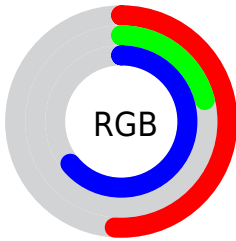
Format	Color
R_{YB}	129, 54, 163
Decimal	8468131
CIE _{Lab}	37.75, 49.93, -45.20
CIE _{LCh}	38, 67.353, 317.844
Yxy	9.9498, 0.2713, 0.1589
Android (android.graphics.Color)	4286658211 (0xFF8136A3)
YUV	88.8510, 36.5555, 35.2107
Hunter-Lab	31.5433, 40.9057, -44.9771

Details

The RYB color **129, 54, 163** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **54, 163, 129**, and the grayscale version is **88, 88, 88**.

A 20% lighter version of the original color is **185, 106, 219**, and **75, 0, 110** is the 20% darker color. If you saturate the color by 10%, you get **124, 38, 163**, and if you desaturate by 10%, it is **134, 70, 163**.

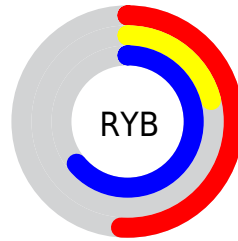
Distribution



Red (51%)

Green (21%)

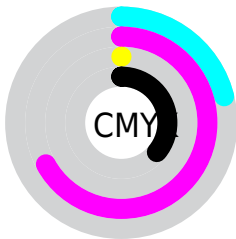
Blue (64%)



Red (51%)

Yellow (21%)

Blue (64%)

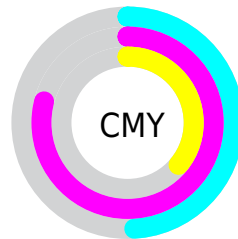


Cyan (21%)

Magenta (67%)

Yellow (0%)

Black (36%)



Cyan (49%)


Magenta (79%)


Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 129, 54, 163 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, 54, 163 by changing the saturation by 10% instead.

 129, 54, 163

 129, 54, 163

255, 255, 255

 102, 26, 136

 185, 106, 219

 75, 0, 110

 213, 133, 247

 49, 0, 85

 243, 160, 255

 25, 0, 62

 255, 188, 255


 0, 3, 39

 255, 216, 255

 0, 1, 16

 255, 245, 255

 0, 0, 0

 129, 54, 163

 129, 54, 163

 124, 38, 163

 134, 70, 163

■ 119, 21, 163

■ 139, 87, 163

■ 114, 5, 163

■ 144, 103, 163

■ 112, 0, 163

■ 149, 119, 163

■ 154, 136, 163

■ 160, 152, 163

■ 163, 168, 166

■ 163, 184, 177

■ 163, 201, 189

Harmonies

Analogous

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



0, 59, 194



129, 54, 163



172, 0, 113

Triad

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



129, 54, 163



80, 127, 0



0, 58, 121

Complementary

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



129, 54, 163



54, 163, 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, 70, 110



129, 54, 163



0, 96, 17

Square

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



129, 54, 163



163, 70, 0



0, 106, 106



0, 67, 170

Rectangle

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



129, 54, 163



181, 0, 77



0, 106, 106



0, 58, 111

Sweetspot

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



129, 54, 163



198, 169, 212



54, 80, 163



99, 81, 107



235, 235, 235



107, 107, 107

Same Dimension

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



129, 54, 163



159, 42, 212



163, 54, 143



79, 73, 82



100, 0, 145



12, 0, 18

Inverse Universe

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



163, 54, 88



212, 42, 95



54, 146, 163



82, 73, 76



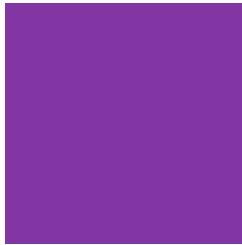
145, 0, 45



18, 0, 6

Previews

White Background



This preview shows how the RYB color 129, 54, 163 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 ✓ Pass

Black Background



This preview shows how the RYB color 129, 54, 163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

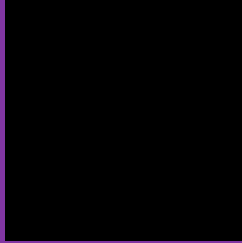
Any Text WCAG AA × Fail

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](#).

RGB 129, 54, 163 Background



This preview shows how black text looks on a background with the RGB color 129, 54, 163.

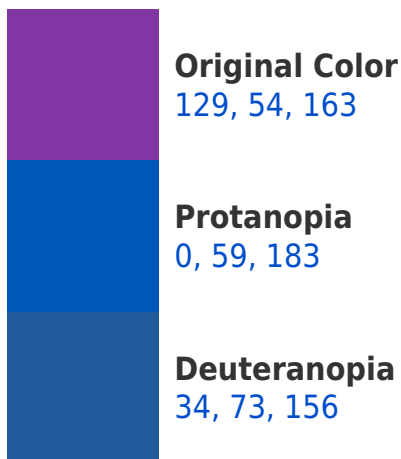


This preview shows how white text looks on a background with the RGB color 129, 54, 163.

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, 79, 85

Trichromacy



Original Color

129, 54, 163



Protanomaly

47, 69, 176



Deuteranomaly

69, 77, 159



Tritanomaly

121, 70, 113

Monochromacy



Original Color

129, 54, 163



Achromatopsia

89, 89, 89



Achromatomaly

104, 76, 116

CSS Examples

Text

The CSS property to change the color of the text to RYB 129, 54, 163 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, 54, 163)` looks like.

```
.text, #text, p{  
    color:rgb(129, 54, 163)  
}
```

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, 54, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 54, 163) }
```

Border

The CSS property to change the border of an element to RYB 129, 54, 163 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, 54, 163) }
```

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

```
.border{ border-color:rgb(129, 54, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 54, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 54, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 54, 163);  
box-shadow:4px 4px 4px 4px rgb(129, 54,  
163) }
```

Background

The CSS property to change the background color of an element to RGB 129, 54, 163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 54, 163) }
```

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

```
.background{ background-color: rgb(129, 54,  
163) }
```

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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