

Converting Colors

`RYB(133, 69, 119)`

Have a look what the booklet for
RYB(133, 69, 119) contains.

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Color

R_YB(133, 69, 119)

Conversions

Conversions Part 1

Format	Color
Hex	854577
RGB	133, 69, 119
RGB Percent	52%, 27%, 47%
CMY	0.4784, 0.7294, 0.5333
CMYK	0.00, 0.48, 0.11, 0.48
HSL	313°, 32%, 40%
HSV	313°, 48%, 52%
XYZ	15.1308, 10.5747, 18.6964
YIQ	93.8360, 22.0940, 29.1180

Conversions

Conversions Part 2

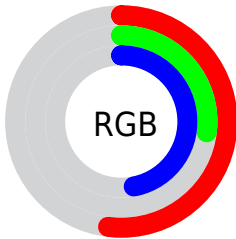
Format	Color
R_{YB}	133, 69, 119
Decimal	8734071
CIE _{Lab}	38.85, 34.54, -16.59
CIE _{LCh}	39, 38.318, 334.350
Yxy	10.5747, 0.3408, 0.2382
Android (android.graphics.Color)	4286924151 (0xFF854577)
YUV	93.8360, 12.4059, 34.3468
Hunter-Lab	32.5188, 26.1470, -11.3252

Details

The RYB color **133, 69, 119** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **69, 122, 133**, and the grayscale version is **94, 94, 94**.

A 20% lighter version of the original color is **188, 119, 171**, and **81, 20, 70** is the 20% darker color. If you saturate the color by 10%, you get **133, 56, 116**, and if you desaturate by 10%, it is **133, 82, 122**.

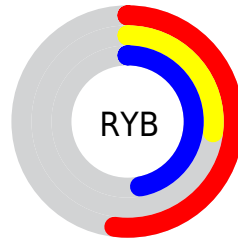
Distribution



Red (52%)

Green (27%)

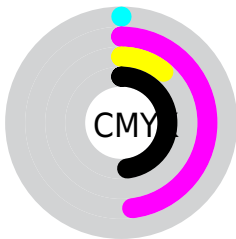
Blue (47%)



Red (52%)

Yellow (27%)

Blue (47%)

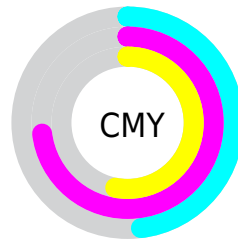


Cyan (0%)

Magenta (48%)

Yellow (11%)

Black (48%)



Cyan (48%)














Magenta (73%)







Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the RYB color 133, 69, 119 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 133, 69, 119 by changing the saturation by 10% instead.

 133, 69, 119	 133, 69, 119
 255, 255, 255	 107, 45, 94
 188, 119, 171	 81, 20, 70
 216, 146, 199	 57, 0, 48
 245, 173, 227	 37, 0, 27
 255, 200, 255	 0, 0, 0
 255, 229, 255	

 133, 69, 119	 133, 69, 119
 133, 56, 116	 133, 82, 122
 133, 42, 113	 133, 96, 125

■ 133, 29, 110

■ 133, 109, 128

■ 133, 16, 107

■ 133, 122, 131

■ 133, 2, 104

■ 133, 134, 135

■ 133, 0, 104

■ 133, 146, 149

■ 133, 157, 162

■ 133, 168, 175

■ 133, 179, 189

Harmonies

Analogous

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



99, 81, 143



133, 69, 119



148, 63, 88

Triad

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



133, 69, 119



41, 104, 25



0, 58, 126

Complementary

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



133, 69, 119



69, 122, 133

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, 57, 107



133, 69, 119



37, 100, 65

Square

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



133, 69, 119



130, 121, 35



22, 78, 105



0, 60, 147

Rectangle

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



133, 69, 119



148, 66, 68



22, 78, 105



0, 56, 116

Sweetspot

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



133, 69, 119



173, 149, 168



83, 69, 133



87, 72, 83



214, 214, 214



87, 87, 87

Same Dimension

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



133, 69, 119



173, 73, 151



133, 69, 87



66, 60, 65



130, 0, 102



3, 0, 2

Inverse Universe

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



133, 69, 119



173, 73, 151



69, 106, 133



66, 60, 65



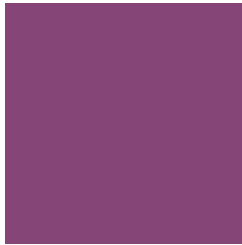
130, 0, 102



3, 0, 2

Previews

White Background



This preview shows how the RYB color 133, 69, 119 looks on a white background.

Color Contrast Check

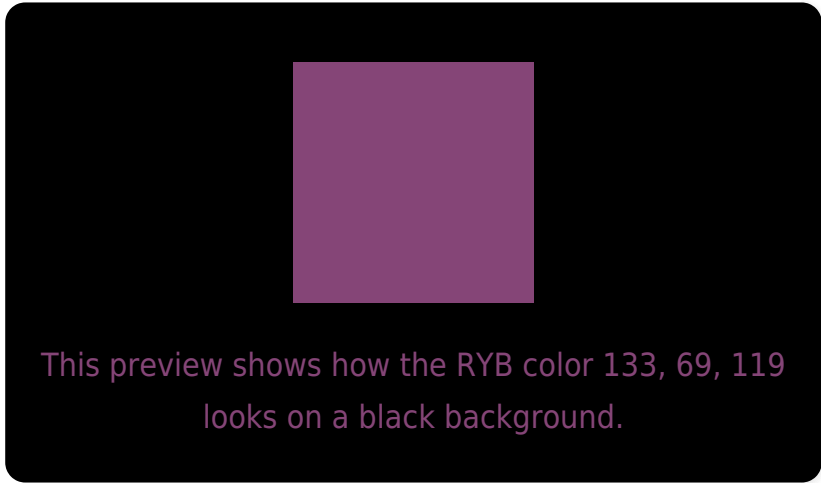
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

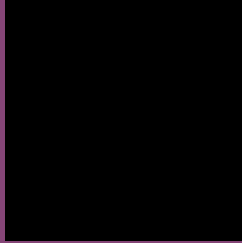
Any Text WCAG AA × Fail

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 133, 69, 119 Background



This preview shows how black text looks on a background with the RYB color 133, 69, 119.

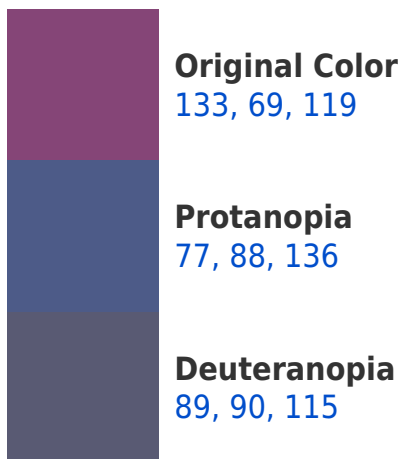


This preview shows how white text looks on a background with the RYB color 133, 69, 119.

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
129, 77, 83

Trichromacy



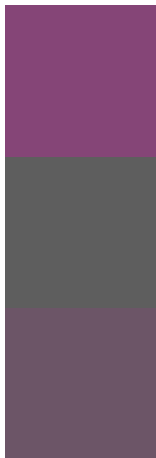
Original Color
133, 69, 119

Protanomaly
97, 83, 130

Deuteranomaly
105, 82, 116

Tritanomaly
130, 74, 96

Monochromacy



Original Color
133, 69, 119

Achromatopsia
94, 94, 94

Achromatomaly
108, 85, 103

CSS Examples

Text

The CSS property to change the color of the text to RYB 133, 69, 119 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(133, 69, 119)` looks like.

```
.text, #text, p{  
    color:rgb(133, 69, 119)  
}
```

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(133, 69, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 69, 119) }
```

Border

The CSS property to change the border of an element to RYB 133, 69, 119 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(133, 69, 119) }
```

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

```
.border{ border-color:rgb(133, 69, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 69, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 69, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 69, 119);  
box-shadow:4px 4px 4px 4px rgb(133, 69,  
119) }
```

Background

The CSS property to change the background color of an element to RGB 133, 69, 119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 69, 119) }
```

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

```
.background{ background-color: rgb(133, 69,  
119) }
```

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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