

Converting Colors

`RYB(133, 98, 171)`

Have a look what the booklet for
RYB(133, 98, 171) contains.

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Color

R_YB(133, 98, 171)

Conversions

Conversions Part 1

Format	Color
Hex	8562AB
RGB	133, 98, 171
RGB Percent	52%, 38%, 67%
CMY	0.4784, 0.6157, 0.3294
CMYK	0.22, 0.43, 0.00, 0.33
HSL	269°, 30%, 53%
HSV	269°, 43%, 67%
XYZ	21.3912, 16.6622, 40.6168
YIQ	116.7870, -2.5730, 30.1230

Conversions

Conversions Part 2

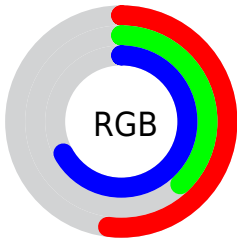
Format	Color
R_{YB}	133, 98, 171
Decimal	8741547
CIE _{Lab}	47.83, 29.00, -33.92
CIE _{LCh}	48, 44.626, 310.532
Yxy	16.6622, 0.2719, 0.2118
Android (android.graphics.Color)	4286931627 (0xFF8562AB)
YUV	116.7870, 26.7270, 14.2188
Hunter-Lab	40.8193, 22.1085, -30.4222

Details

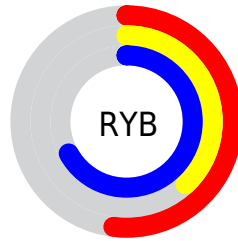
The RYB color **133, 98, 171** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **98, 171, 133**, and the grayscale version is **117, 117, 117**.

A 20% lighter version of the original color is **187, 149, 227**, and **81, 50, 118** is the 20% darker color. If you saturate the color by 10%, you get **124, 81, 171**, and if you desaturate by 10%, it is **142, 115, 171**.

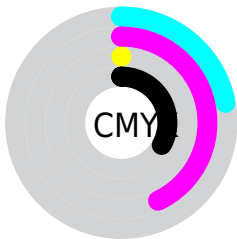
Distribution



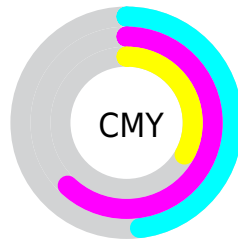
- Red (52%)
- Green (38%)
- Blue (67%)



- Red (52%)
- Yellow (38%)
- Blue (67%)



- Cyan (22%)
- Magenta (43%)
- Yellow (0%)
- Black (33%)



- Cyan (48%)
- Magenta (62%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 133, 98, 171 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, 98, 171 by changing the saturation by 10% instead.

 133, 98, 171

255, 255, 255

 187, 149, 227


 216, 176, 255

 245, 204, 255

 255, 232, 255

 133, 98, 171

 107, 74, 144

 81, 50, 118

 57, 28, 93

 32, 6, 69

 8, 0, 47


 0, 1, 25

 0, 0, 0

 133, 98, 171

 124, 81, 171

 133, 98, 171

 142, 115, 171

■ 115, 64, 171

■ 151, 132, 171

■ 106, 47, 171

■ 160, 149, 171

■ 97, 30, 171

■ 169, 166, 171

■ 88, 13, 171

■ 171, 183, 176

■ 82, 0, 171

■ 171, 201, 186

■ 171, 218, 194

■ 171, 235, 202

■ 171, 252, 210

Harmonies

Analogous

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



67, 100, 188



133, 98, 171



169, 84, 139

Triad

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



133, 98, 171



132, 154, 40



0, 68, 132

Complementary

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



133, 98, 171



98, 171, 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, 78, 130



133, 98, 171



40, 122, 34

Square

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



133, 98, 171



176, 94, 66



53, 125, 97



0, 72, 161

Rectangle

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



133, 98, 171



181, 79, 114



53, 125, 97



0, 71, 132

Sweetspot

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



133, 98, 171



207, 193, 222



98, 123, 171



103, 94, 112



240, 240, 240



112, 112, 112

Same Dimension

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



133, 98, 171



163, 109, 222



169, 98, 171



82, 78, 87



72, 0, 150



11, 0, 23

Inverse Universe

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



171, 98, 136



222, 109, 168



98, 171, 169



87, 78, 83



150, 0, 78



23, 0, 12

Previews

White Background



This preview shows how the RYB color 133, 98, 171 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 133, 98, 171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

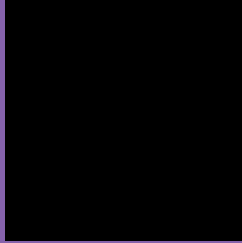
Any Text WCAG AA × Fail

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 133, 98, 171 Background



This preview shows how black text looks on a background with the RYB color 133, 98, 171.

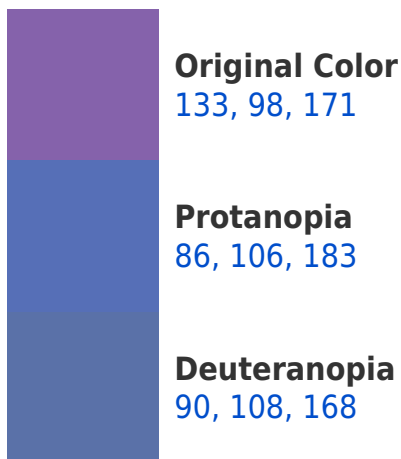


This preview shows how white text looks on a background with the RYB color 133, 98, 171.

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
124, 110, 118

Trichromacy



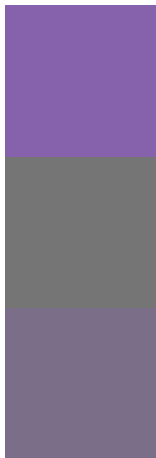
Original Color
133, 98, 171

Protanomaly
103, 106, 179

Deuteranomaly
106, 108, 169

Tritanomaly
127, 106, 137

Monochromacy



Original Color
133, 98, 171

Achromatopsia
117, 117, 117

Achromatomaly
123, 110, 137

CSS Examples

Text

The CSS property to change the color of the text to RYB 133, 98, 171 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, 98, 171)` looks like.

```
.text, #text, p{  
    color:rgb(133, 98, 171)  
}
```

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, 98, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 98, 171) }
```

Border

The CSS property to change the border of an element to RYB 133, 98, 171 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, 98, 171) }
```

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

```
.border{ border-color:rgb(133, 98, 171) }
```

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

Here you see how a box with a 4 pixel rgb(133, 98, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 98, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 98, 171);  
box-shadow:4px 4px 4px 4px rgb(133, 98,  
171) }
```

Background

The CSS property to change the background color of an element to RGB 133, 98, 171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 98, 171) }
```

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

```
.background{ background-color: rgb(133, 98,  
171) }
```

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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