

# Converting Colors

$Y_{xy}(17.3262, 0.3261, 0.2756)$

Have a look what the booklet for  
Yxy(17.3262, 0.3261, 0.2756)  
contains.

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# Color

**Yxy(17.2894, 0.3261, 0.2744)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8F6787
RGB	143, 103, 135
RGB Percent	56%, 40%, 53%
CMY	0.4393, 0.5960, 0.4706
CMYK	0.00, 0.28, 0.06, 0.44
HSL	312°, 16%, 48%
HSV	312°, 28%, 56%
XYZ	20.5469, 17.2894, 25.1717
YIQ	118.6080, 13.5680, 18.4320

# Conversions

## Conversions Part 2

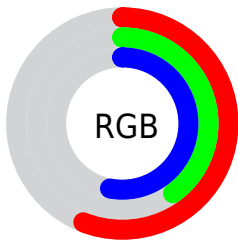
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	143, 103, 135
Decimal	9398151
CIE <sub>Lab</sub>	48.62, 21.54, -11.33
CIE <sub>LCh</sub>	49, 24.334, 332.252
Yxy	17.2894, 0.3261, 0.2744
Android (android.graphics.Color)	4287588231 (0xFF8F6787)
YUV	118.6080, 8.0813, 21.3918
Hunter-Lab	41.5805, 15.4394, -6.7862

# Details

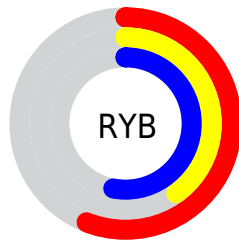
The Yxy color  $17.2894, 0.3261, 0.2744$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $23.6692, 0.3017, 0.3906$ , and the grayscale version is  $18.2885, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $38.9438, 0.3233, 0.2873$ , and  $5.6636, 0.3315, 0.2531$  is the 20% darker color. If you saturate the color by 10%, you get  $14.6051, 0.3321, 0.2547$ , and if you desaturate by 10%, it is  $20.4638, 0.3207, 0.2943$ .

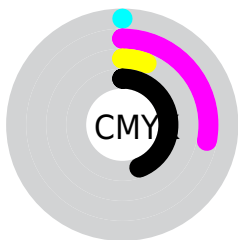
# Distribution



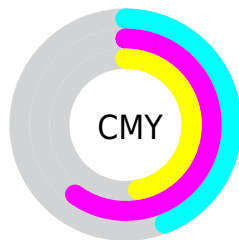
- Red (56%)
- Green (40%)
- Blue (53%)



- Red (56%)
- Yellow (40%)
- Blue (53%)



- Cyan (0%)
- Magenta (28%)
- Yellow (6%)
- Black (44%)




- Cyan (44%)
- Magenta (60%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 17.2894, 0.3261, 0.2744 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 Yxy color 17.2894, 0.3261, 0.2744 by changing the saturation by 10% instead.





 17.2894, 0.3261,  
0.2744


 17.2894, 0.3261,  
0.2744


236.8346, 0.3189,  
0.3049


 10.4410, 0.3281,  
0.2655


 38.8227, 0.3233,  
0.2864


 5.6923, 0.3308,  
0.2531


 54.2764, 0.3223,  
0.2906

 2.6589, 0.3345,  
0.2348

 73.3674, 0.3215,  
0.2941

 0.9564, 0.3398,  
0.2054

 96.4800, 0.3208,  
0.2970

 0.0000, 0.3782,  
0.0000

123.9986, 0.3202,  
0.2994

 0.0000, 0.0000,  
0.0000

156.3077, 0.3197,

0.3015

193.7915, 0.3193,  
0.3034

■ 17.2894, 0.3261,  
0.2744

■ 17.2894, 0.3261,  
0.2744

■ 14.6051, 0.3321,  
0.2547

■ 20.4638, 0.3207,  
0.2943

■ 12.3838, 0.3388,  
0.2360

■ 24.1490, 0.3160,  
0.3139

■ 10.5993, 0.3460,  
0.2191


■ 28.3673, 0.3119,  
0.3328


■ 9.2220, 0.3535,  
0.2050


■ 33.1389, 0.3084,  
0.3506


■ 8.2184, 0.3611,  
0.1945


■ 38.4831, 0.3054,  
0.3673

 7.5498, 0.3687,  
0.1882


 44.4183, 0.3029,  
0.3827

 7.1386, 0.3761,  
0.1858

 50.9618, 0.3008,  
0.3969

 7.0614, 0.3776,  
0.1854

 58.1306, 0.2990,  
0.4100

 65.9406, 0.2975,  
0.4219

# Harmonies

## Analogous

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



17.2894, 0.2794, 0.2564



17.2894, 0.3261, 0.2744



17.2894, 0.3722, 0.3046

# Triad

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



17.2894, 0.3261, 0.2744



17.2894, 0.3823, 0.4063



17.2894, 0.2308, 0.3058

# Complementary

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



17.2894, 0.3261, 0.2744



23.6692, 0.3017, 0.3906

# 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.



17.2894, 0.2545, 0.3521



17.2894, 0.3261, 0.2744



17.2894, 0.3412, 0.4143

# Square

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



17.2894, 0.3261, 0.2744



17.2894, 0.4053, 0.3784



17.2894, 0.2944, 0.3943



17.2894, 0.2275, 0.2711



# Rectangle

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



17.2894, 0.3261, 0.2744



17.2894, 0.3947, 0.3289



17.2894, 0.2944, 0.3943



17.2894, 0.2366, 0.3205

# Sweetspot

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



17.2902, 0.3261, 0.2744



43.1074, 0.3161, 0.3135



15.0233, 0.2745, 0.2533



9.6627, 0.3167, 0.3108



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290



# Same Dimension

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



17.2902, 0.3261, 0.2744



27.6255, 0.3301, 0.2610



16.7945, 0.3527, 0.3068



5.4928, 0.3166, 0.3116



6.2491, 0.3773, 0.1852



0.0628, 0.3465, 0.1682



# Inverse Universe

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



17.2902, 0.3261, 0.2744



27.6255, 0.3301, 0.2610



24.1418, 0.2843, 0.3526



5.4928, 0.3166, 0.3116



6.2491, 0.3773, 0.1852

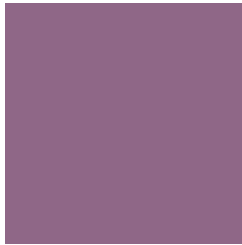


0.0628, 0.3465, 0.1682



# Previews

## White Background



This preview shows how the Yxy color 17.2894, 0.3261, 0.2744 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 Yxy color 17.2894, 0.3261, 0.2744 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

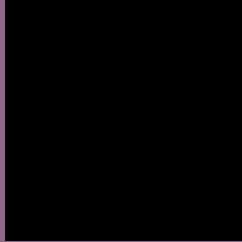
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 17.2894, 0.3261, 0.2744**

## **Background**



This preview shows how black text looks on a background with the Yxy color 17.2894, 0.3261, 0.2744.



This preview shows how white text looks on a background with the Yxy color 17.2894, 0.3261, 0.2744.

# 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



### Original Color

17.2894, 0.3261, 0.2744

### Protanopia

17.4958, 0.2746, 0.2762

### Deuteranopia

17.4256, 0.2968, 0.2914



## Tritanopia

17.3286, 0.3482, 0.3148

# Trichromacy



## Original Color

17.2894, 0.3261, 0.2744

## Protanomaly

17.3273, 0.2914, 0.2758

## Deuteranomaly

17.2477, 0.3070, 0.2836

## Tritanomaly

17.3759, 0.3402, 0.3008

# Monochromacy



## Original Color

17.2894, 0.3261, 0.2744

## Achromatopsia

18.4475, 0.3127, 0.3290

## Achromatomaly

17.8801, 0.3177, 0.3069

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 17.2894, 0.3261, 0.2744 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(143, 103, 135)` looks like.

```
.text, #text, p{  
    color:rgb(143, 103, 135)  
}
```

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(143, 103, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 103, 135) }
```

## Border

The CSS property to change the border of an element to Yxy 17.2894, 0.3261, 0.2744 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(143, 103, 135) }
```

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

```
.border{ border-color:rgb(143, 103, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 103, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 103, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 103, 135);  
box-shadow:4px 4px 4px 4px rgb(143, 103,  
135) }
```



# Background

The CSS property to change the background color of an element to Yxy 17.2894, 0.3261, 0.2744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 103, 135) }
```

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

```
.background{ background-color: rgb(143,  
103, 135) }
```

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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