

# Converting Colors

$Y_{xy}(34.9550, 0.2666, 0.2294)$

Have a look what the booklet for  
Yxy(34.9550, 0.2666, 0.2294)  
contains.

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# Color

**Yxy(35.1058, 0.2670, 0.2304)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A994E2
RGB	169, 148, 226
RGB Percent	66%, 58%, 89%
CMY	0.3372, 0.4196, 0.1137
CMYK	0.25, 0.35, 0.00, 0.11
HSL	256°, 57%, 73%
HSV	256°, 35%, 89%
XYZ	40.6825, 35.1058, 76.5806
YIQ	163.1710, -12.5220, 28.7100

# Conversions

## Conversions Part 2

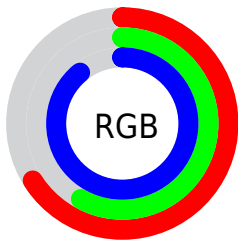
Format	Color
R <sub>Y</sub> B	169, 148, 226
Decimal	11113698
CIE <sub>Lab</sub>	65.83, 24.09, -36.77
CIE <sub>LCh</sub>	66, 43.964, 303.232
Y <sub>xy</sub>	35.1058, 0.2670, 0.2304
Android (android.graphics.Color)	4289303778 (0xFFA994E2)
YUV	163.1710, 30.9747, 5.1120
Hunter-Lab	59.2501, 18.8744, -35.1570

# Details

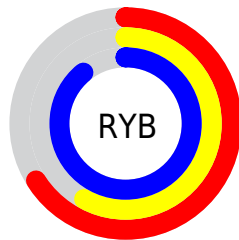
The Yxy color **35.1058, 0.2670, 0.2304** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **69.5039, 0.3485, 0.4197**, and the grayscale version is **36.5681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4686, 0.2935, 0.2737**, and **15.0965, 0.2525, 0.2049** is the 20% darker color. If you saturate the color by 10%, you get **26.9841, 0.2502, 0.1977**, and if you desaturate by 10%, it is **44.8448, 0.2823, 0.2619**.

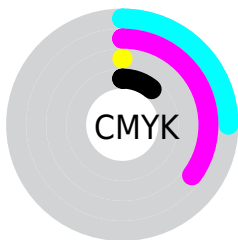
# Distribution



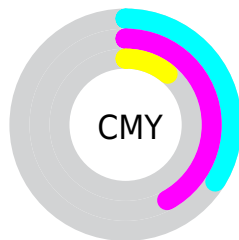
- Red (66%)
- Green (58%)
- Blue (89%)



- Red (66%)
- Yellow (58%)
- Blue (89%)



- Cyan (25%)
- Magenta (35%)
- Yellow (0%)
- Black (11%)




- Cyan (34%)
- Magenta (42%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.1058, 0.2670, 0.2304 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 35.1058, 0.2670, 0.2304 by changing the saturation by 10% instead.





 35.1058, 0.2670,  
0.2304

 35.1058, 0.2670,  
0.2304


325.0351, 0.2912,  
0.2783

 23.7444, 0.2607,  
0.2190


 67.6496, 0.2760,  
0.2474

 15.1441, 0.2524,  
0.2049


 89.6008, 0.2794,  
0.2539

 8.9206, 0.2414,  
0.1868


115.8508, 0.2821,  
0.2595

 4.6894, 0.2258,  
0.1631

146.7838, 0.2845,  
0.2643

 2.0662, 0.2028,  
0.1313

182.7844, 0.2865,  
0.2685

 0.6455, 0.1672,  
0.0860

224.2369, 0.2883,

 0.0000, 0.0555,

0.2721

0.0000

271.5256, 0.2898,  
0.2754

0.0000, 0.0000,  
0.0000

35.1058, 0.2670,  
0.2304

35.1058, 0.2670,  
0.2304

26.9841, 0.2502,  
0.1977

44.8448, 0.2823,  
0.2619

20.3860, 0.2325,  
0.1651

56.2793, 0.2960,  
0.2912

15.2147, 0.2147,  
0.1345

69.4876, 0.3079,  
0.3179

11.3598, 0.1978,  
0.1080

84.5415, 0.3181,  
0.3418

8.6944, 0.1829,  
0.0873

97.6242, 0.3275,  
0.3574

■ 7.0649, 0.1709,  
0.0737

■ 98.2708, 0.3298,  
0.3572

■ 6.4805, 0.1656,  
0.0686

# Harmonies

## Analogous

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



35.1058, 0.2194, 0.2260



35.1058, 0.2670, 0.2304



35.1058, 0.3328, 0.2552

# Triad

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



35.1058, 0.2670, 0.2304



35.1058, 0.4427, 0.3954



35.1058, 0.2291, 0.3590

# Complementary

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



35.1058, 0.2670, 0.2304



69.5039, 0.3485, 0.4197

# 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.



35.1058, 0.2828, 0.4239



35.1058, 0.2670, 0.2304



35.1058, 0.4070, 0.4373

# Square

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



35.1058, 0.2670, 0.2304



35.1058, 0.4412, 0.3447



35.1058, 0.3480, 0.4527



35.1058, 0.1991, 0.2915



# Rectangle

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



35.1058, 0.2670, 0.2304



35.1058, 0.3787, 0.2807



35.1058, 0.3480, 0.4527



35.1058, 0.2447, 0.3828

# Sweetspot

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



35.1072, 0.2670, 0.2304



81.4327, 0.3015, 0.3034



55.5433, 0.2606, 0.3027



16.9132, 0.2998, 0.2996



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



35.1072, 0.2670, 0.2304



38.7168, 0.2558, 0.2083



40.0500, 0.3004, 0.2393



13.4211, 0.3022, 0.3051



3.7473, 0.1669, 0.0693



0.3032, 0.1830, 0.0782



# Inverse Universe

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



41.7533, 0.3358, 0.2647



48.7524, 0.3418, 0.2522



64.6573, 0.3201, 0.4284



13.8693, 0.3179, 0.3120



10.7964, 0.4030, 0.1994



0.7630, 0.3875, 0.1908



# Previews

## White Background



This preview shows how the Yxy color 35.1058, 0.2670, 0.2304 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

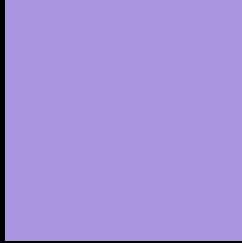
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.1058, 0.2670, 0.2304 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

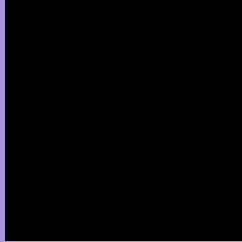
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 35.1058, 0.2670, 0.2304**

## **Background**



This preview shows how black text looks on a background with the Yxy color 35.1058, 0.2670, 0.2304.



This preview shows how white text looks on a background with the Yxy color 35.1058, 0.2670, 0.2304.

# 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

35.1058, 0.2670, 0.2304

### Protanopia

35.2054, 0.2384, 0.2274

### Deuteranopia

35.2388, 0.2463, 0.2400



## Tritanopia

35.1458, 0.3013, 0.3102

# Trichromacy



## Original Color

35.1058, 0.2670, 0.2304

## Protanomaly

35.0838, 0.2477, 0.2286

## Deuteranomaly

34.9370, 0.2528, 0.2353

## Tritanomaly

35.0350, 0.2882, 0.2779

# Monochromacy



## Original Color

35.1058, 0.2670, 0.2304

## Achromatopsia

36.6253, 0.3127, 0.3290

## Achromatomaly

35.9982, 0.2950, 0.2901

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.1058, 0.2670, 0.2304 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(169, 148, 226)` looks like.

```
.text, #text, p{  
    color:rgb(169, 148, 226)  
}
```

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(169, 148, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 148, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 35.1058, 0.2670, 0.2304 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(169, 148, 226) }
```

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

```
.border{ border-color:rgb(169, 148, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 148, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 148, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 148, 226);  
box-shadow:4px 4px 4px 4px rgb(169, 148,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.1058, 0.2670, 0.2304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 148, 226) }
```

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

```
.background{ background-color: rgb(169,  
148, 226) }
```

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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