

# Converting Colors

$Y_{xy}(56.3248, 0.3200, 0.2480)$

Have a look what the booklet for  
Yxy(56.3248, 0.3200, 0.2480)  
contains.

<b>Yxy(56.2303, 0.3198, 0.2475)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(56.2303, 0.3198, 0.2475)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA8FB
RGB	255, 168, 251
RGB Percent	100%, 66%, 98%
CMY	0.0000, 0.3412, 0.0156
CMYK	0.00, 0.34, 0.02, 0.00
HSL	303°, 100%, 83%
HSV	303°, 34%, 100%
XYZ	72.6564, 56.2303, 98.3065
YIQ	203.4750, 25.2090, 44.2570

# Conversions

## Conversions Part 2

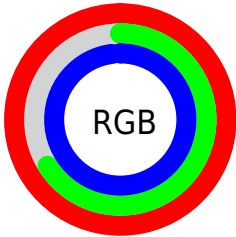
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 168, 251
Decimal	16754939
CIE Lab	79.74, 44.48, -28.23
CIE LCh	80, 52.681, 327.603
Yxy	56.2303, 0.3198, 0.2475
Android (android.graphics.Color)	4294945019 (0xFFFFA8FB)
YUV	203.4750, 23.4298, 45.1874
Hunter-Lab	74.9869, 41.7254, -25.2373

# Details

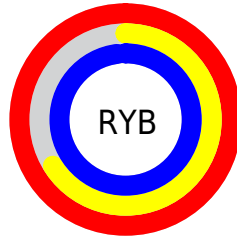
The Yxy color **56.2303, 0.3198, 0.2475** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **82.8214, 0.3059, 0.4268**, and the grayscale version is **59.8750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7913, 0.3141, 0.2989**, and **27.8000, 0.3207, 0.2299** is the 20% darker color. If you saturate the color by 10%, you get **47.6491, 0.3221, 0.2250**, and if you desaturate by 10%, it is **66.6629, 0.3176, 0.2713**.

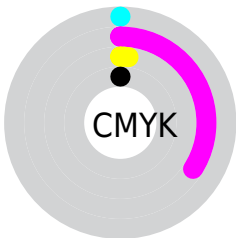
# Distribution



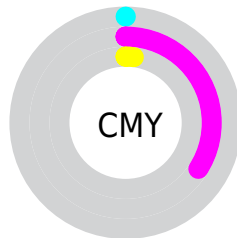
- Red (100%)
- Green (66%)
- Blue (98%)



- Red (100%)
- Yellow (66%)
- Blue (98%)



- Cyan (0%)
- Magenta (34%)
- Yellow (2%)
- Black (0%)




- Cyan (0%)
- Magenta (34%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.2303, 0.3198, 0.2475 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 56.2303, 0.3198, 0.2475 by changing the saturation by 10% instead.





 56.2303, 0.3198,  
0.2475

 56.2303, 0.3198,  
0.2475


410.5588, 0.3175,  
0.2840

 40.3876, 0.3201,  
0.2395


 99.3412, 0.3192,  
0.2599

 27.8409, 0.3203,  
0.2297


 127.3782, 0.3189,  
0.2648

 18.2057, 0.3204,  
0.2177


160.2488, 0.3186,  
0.2691

 11.0978, 0.3203,  
0.2025

198.3373, 0.3184,  
0.2728

 6.1327, 0.3195,  
0.1826

242.0282, 0.3181,  
0.2761

 2.9259, 0.3174,  
0.1560

291.7058, 0.3179,

 1.0932, 0.3118,

0.2790

0.1193

347.7545, 0.3177,  
0.2817

■ 0.0000, 0.3182,  
0.0000

■ 0.0000, 0.0091,  
0.0000

■ 56.2303, 0.3198,  
0.2475

■ 56.2303, 0.3198,  
0.2475

■ 47.6491, 0.3221,  
0.2250

■ 66.6629, 0.3176,  
0.2713

■ 40.8034, 0.3244,  
0.2047

■ 79.0390, 0.3154,  
0.2956

■ 35.5761, 0.3266,  
0.1877

■ 93.4535, 0.3135,  
0.3194

■ 31.8323, 0.3287,  
0.1747

99.9994, 0.3127,  
0.3290

■ 29.4156, 0.3305,  
0.1661

■ 28.1344, 0.3321,  
0.1618

■ 27.7510, 0.3329,  
0.1608

# Harmonies

## Analogous

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



56.2303, 0.2550, 0.2258



56.2303, 0.3198, 0.2475



56.2303, 0.3898, 0.2861

# Triad

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



56.2303, 0.3198, 0.2475



56.2303, 0.4181, 0.4329



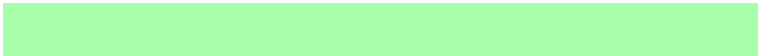
56.2303, 0.2003, 0.3021

# Complementary

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



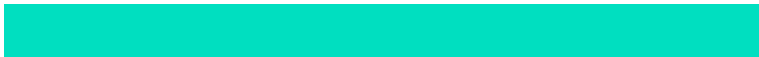
56.2303, 0.3198, 0.2475



82.8214, 0.3059, 0.4268

# 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.



56.2303, 0.2358, 0.3735



56.2303, 0.3198, 0.2475



56.2303, 0.3609, 0.4559

# Square

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



56.2303, 0.3198, 0.2475



56.2303, 0.4486, 0.3871



56.2303, 0.2941, 0.4356



56.2303, 0.1923, 0.2503



# Rectangle

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



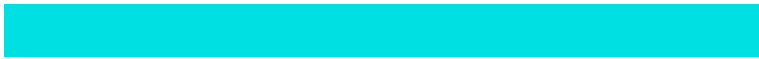
56.2303, 0.3198, 0.2475



56.2303, 0.4266, 0.3180



56.2303, 0.2941, 0.4356



56.2303, 0.2091, 0.3247

# Sweetspot

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



56.2328, 0.3198, 0.2475



84.7209, 0.3146, 0.3055



43.8741, 0.2527, 0.2271



17.7102, 0.3149, 0.3021



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.



56.2328, 0.3198, 0.2475



50.1325, 0.3214, 0.2318



53.8502, 0.3558, 0.2872



18.2852, 0.3145, 0.3066



14.5072, 0.3327, 0.1607



1.4168, 0.3313, 0.1598



# Inverse Universe

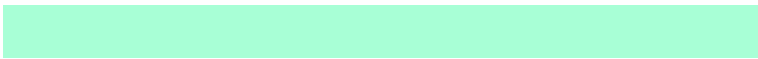
The Inverse Universe completely reimagines the original color for something new.



56.2328, 0.3198, 0.2475



50.1325, 0.3214, 0.2318



84.7190, 0.2840, 0.3754



18.2852, 0.3145, 0.3066



14.5072, 0.3327, 0.1607



1.4168, 0.3313, 0.1598



# Previews

## White Background



This preview shows how the Yxy color 56.2303, 0.3198, 0.2475 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

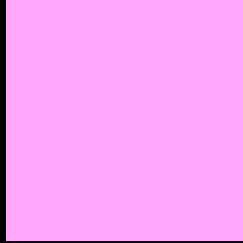
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.2303, 0.3198, 0.2475 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

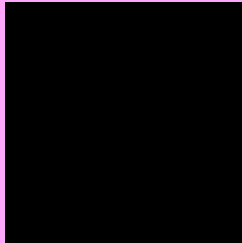
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.2303, 0.3198, 0.2475**

## Background



This preview shows how black text looks on a background with the Yxy color 56.2303, 0.3198, 0.2475.



This preview shows how white text looks on a background with the Yxy color 56.2303, 0.3198, 0.2475.

# 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

56.2303, 0.3198, 0.2475

### Protanopia

56.6449, 0.2639, 0.2619

### Deuteranopia

56.5749, 0.2764, 0.2700



## Tritanopia

56.2669, 0.3603, 0.3152

# Trichromacy



## Original Color

56.2303, 0.3198, 0.2475



## Protanomaly

55.8289, 0.2821, 0.2551



## Deuteranomaly

56.0742, 0.2912, 0.2608



## Tritanomaly

56.2297, 0.3454, 0.2895

# Monochromacy



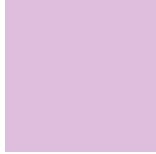
## Original Color

56.2303, 0.3198, 0.2475



## Achromatopsia

59.7202, 0.3127, 0.3290



## Achromatomaly

57.5238, 0.3159, 0.2957

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.2303, 0.3198, 0.2475 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(255, 168, 251)` looks like.

```
.text, #text, p{  
    color:rgb(255, 168, 251)  
}
```

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(255, 168, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 168, 251) }
```

## Border

The CSS property to change the border of an element to Yxy 56.2303, 0.3198, 0.2475 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(255, 168, 251) }
```

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

```
.border{ border-color:rgb(255, 168, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 168, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 168, 251); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 168, 251); box-shadow:4px 4px 4px 4px rgb(255, 168, 251) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.2303, 0.3198, 0.2475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 168, 251) }
```

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

```
.background{ background-color: rgb(255,  
168, 251) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor