

# Converting Colors

Yxy(63.4412, 0.3130, 0.2239)

Have a look what the booklet for  
Yxy(63.4412, 0.3130, 0.2239)  
contains.

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# Color

**Yxy(56.1174, 0.3167, 0.2431)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA7FF
RGB	255, 167, 255
RGB Percent	100%, 65%, 100%
CMY	0.0001, 0.3451, 0.0000
CMYK	0.00, 0.35, 0.00, 0.00
HSL	300°, 100%, 83%
HSV	300°, 35%, 100%
XYZ	73.1073, 56.1174, 101.6161
YIQ	203.3440, 24.2000, 46.0240

# Conversions

## Conversions Part 2

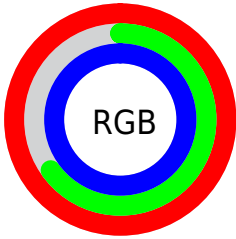
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 167, 255
Decimal	16754687
CIE <sub>Lab</sub>	79.68, 45.70, -30.48
CIE <sub>LCh</sub>	80, 54.934, 326.298
Y <sub>xy</sub>	56.1174, 0.3167, 0.2431
Android (android.graphics.Color)	4294944767 (0xFFFFA7FF)
Y <sub>UV</sub>	203.3440, 25.4664, 45.3023
Hunter-Lab	74.9115, 43.1056, -27.9877

# Details

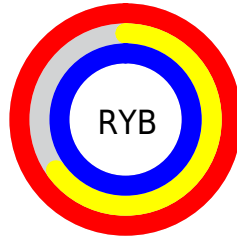
The Yxy color **56.1174, 0.3167, 0.2431** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **82.5293, 0.3078, 0.4330**, and the grayscale version is **59.7732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2554, 0.3142, 0.2980**, and **27.7578, 0.3165, 0.2246** is the 20% darker color. If you saturate the color by 10%, you get **47.6758, 0.3178, 0.2200**, and if you desaturate by 10%, it is **66.4012, 0.3156, 0.2678**.

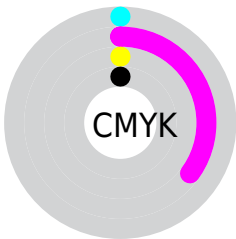
# Distribution



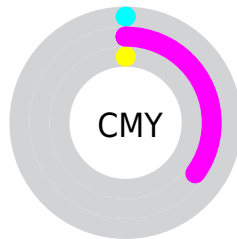
- Red (100%)
- Green (65%)
- Blue (100%)



- Red (100%)
- Yellow (65%)
- Blue (100%)



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




- Cyan (0%)
- Magenta (35%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.1174, 0.3167, 0.2431 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 56.1174, 0.3167, 0.2431 by changing the saturation by 10% instead.




 56.1174, 0.3167,  
0.2431


 56.1174, 0.3167,  
0.2431


410.1338, 0.3160,  
0.2814

 40.2971, 0.3166,  
0.2347


 99.1762, 0.3167,  
0.2561

 27.7702, 0.3163,  
0.2246


 127.1835, 0.3166,  
0.2612

 18.1525, 0.3158,  
0.2121


160.0218, 0.3165,  
0.2657

 11.0596, 0.3148,  
0.1963

198.0757, 0.3164,  
0.2696

 6.1069, 0.3128,  
0.1760

241.7294, 0.3163,  
0.2731

 2.9102, 0.3089,  
0.1489

291.3674, 0.3162,

 1.0850, 0.3005,

0.2762

0.1121

347.3740, 0.3161,  
0.2789

0.0000, 0.2992,  
0.0000

0.0000, 0.0325,  
0.0000

56.1174, 0.3167,  
0.2431

56.1174, 0.3167,  
0.2431

47.6758, 0.3178,  
0.2200

66.4012, 0.3156,  
0.2678

40.9672, 0.3188,  
0.1993

78.6268, 0.3144,  
0.2930

35.8716, 0.3196,  
0.1820

92.8868, 0.3132,  
0.3180

32.2536, 0.3202,  
0.1688

100.0000, 0.3127,  
0.3290

■ 29.9554, 0.3206,  
0.1600

■ 28.7839, 0.3208,  
0.1554

■ 28.4689, 0.3209,  
0.1541

# Harmonies

## Analogous

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



56.1174, 0.2501, 0.2216



56.1174, 0.3167, 0.2431



56.1174, 0.3901, 0.2823

# Triad

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



56.1174, 0.3167, 0.2431



56.1174, 0.4241, 0.4349



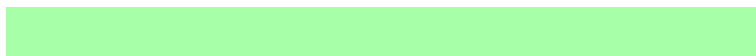
56.1174, 0.1970, 0.3035

# Complementary

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



56.1174, 0.3167, 0.2431



82.5293, 0.3078, 0.4330

# 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.



56.1174, 0.2347, 0.3788



56.1174, 0.3167, 0.2431



56.1174, 0.3653, 0.4613

# Square

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



56.1174, 0.3167, 0.2431



56.1174, 0.4548, 0.3863



56.1174, 0.2959, 0.4428



56.1174, 0.1877, 0.2486



# Rectangle

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



56.1174, 0.3167, 0.2431



56.1174, 0.4295, 0.3150



56.1174, 0.2959, 0.4428



56.1174, 0.2065, 0.3274

# Sweetspot

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



56.1175, 0.3167, 0.2431



84.7946, 0.3139, 0.3044



43.6185, 0.2502, 0.2270



17.7281, 0.3140, 0.3008



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.



56.1175, 0.3167, 0.2431



50.4320, 0.3174, 0.2279



53.6787, 0.3524, 0.2824



18.3002, 0.3138, 0.3056



14.8757, 0.3209, 0.1541



1.4485, 0.3209, 0.1541



# Inverse Universe

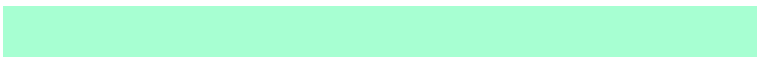
The Inverse Universe completely reimagines the original color for something new.



51.6925, 0.3951, 0.3292



45.4339, 0.4186, 0.3293



84.3668, 0.2860, 0.3813



17.9872, 0.3295, 0.3290



11.1089, 0.6401, 0.3300



1.0817, 0.6400, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 56.1174, 0.3167, 0.2431 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

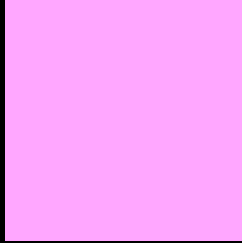
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.1174, 0.3167, 0.2431 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

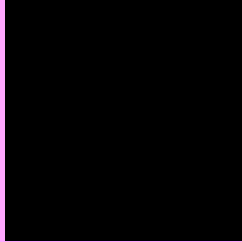
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.1174, 0.3167, 0.2431**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.1174, 0.3167, 0.2431.



This preview shows how white text looks on a background with the Yxy color 56.1174, 0.3167, 0.2431.

# 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

56.1174, 0.3167, 0.2431

### Protanopia

56.5236, 0.2633, 0.2618

### Deuteranopia

56.4329, 0.2719, 0.2656



## Tritanopia

56.2669, 0.3603, 0.3152

# Trichromacy



## Original Color

56.1174, 0.3167, 0.2431



## Protanomaly

55.3278, 0.2807, 0.2529



## Deuteranomaly

55.6054, 0.2870, 0.2556



## Tritanomaly

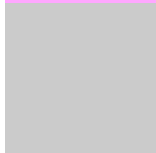
55.9418, 0.3438, 0.2864

# Monochromacy



## Original Color

56.1174, 0.3167, 0.2431



## Achromatopsia

59.7202, 0.3127, 0.3290



## Achromatomaly

57.6304, 0.3144, 0.2935

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.1174, 0.3167, 0.2431 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, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 167, 255)  
}
```

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, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 167, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 56.1174, 0.3167, 0.2431 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, 167, 255) }
```

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

```
.border{ border-color:rgb(255, 167, 255) }
```

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

Here you see how a box with a 4 pixel rgb(255, 167, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 167, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 167, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 167,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.1174, 0.3167, 0.2431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 167, 255) }
```

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

```
.background{ background-color: rgb(255,  
167, 255) }
```

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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