

# Converting Colors

$Y_{xy}(53.1199, 0.3428, 0.2560)$

Have a look what the booklet for  
Yxy(53.1199, 0.3428, 0.2560)  
contains.

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# Color

**Yxy(51.5969, 0.3355, 0.2539)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9EE9
RGB	255, 158, 233
RGB Percent	100%, 62%, 91%
CMY	0.0000, 0.3804, 0.0864
CMYK	0.00, 0.38, 0.09, 0.00
HSL	314°, 100%, 81%
HSV	314°, 38%, 100%
XYZ	68.1794, 51.5969, 83.4411
YIQ	195.5530, 33.7370, 43.8890

# Conversions

## Conversions Part 2

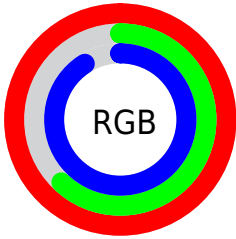
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 158, 233
Decimal	16752361
CIE Lab	77.04, 46.55, -22.61
CIE LCh	77, 51.754, 334.096
Yxy	51.5969, 0.3355, 0.2539
Android (android.graphics.Color)	4294942441 (0xFFFF9EE9)
YUV	195.5530, 18.4614, 52.1350
Hunter-Lab	71.8310, 43.7217, -18.5914

# Details

The Yxy color **51.5969, 0.3355, 0.2539** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **82.0845, 0.2962, 0.4185**, and the grayscale version is **54.7889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5731, 0.3146, 0.2891**, and **24.9453, 0.3408, 0.2367** is the 20% darker color. If you saturate the color by 10%, you get **43.4538, 0.3434, 0.2352**, and if you desaturate by 10%, it is **61.5500, 0.3283, 0.2737**.

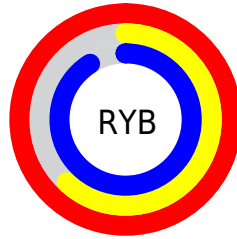
# Distribution



Red (100%)

Green (62%)

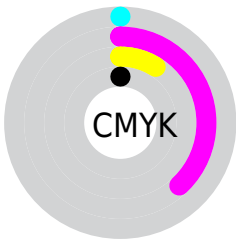
Blue (91%)



Red (100%)

Yellow (62%)

Blue (91%)

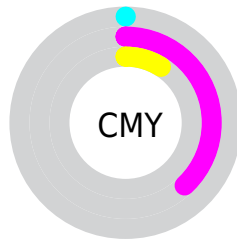


Cyan (0%)

Magenta (38%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (38%)


Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.5969, 0.3355, 0.2539 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 51.5969, 0.3355, 0.2539 by changing the saturation by 10% instead.





 51.5969, 0.3355,  
0.2539


 51.5969, 0.3355,  
0.2539


392.8784, 0.3254,  
0.2883

 36.6839, 0.3377,  
0.2462


 92.5365, 0.3321,  
0.2657

 24.9628, 0.3403,  
0.2367


 119.3318, 0.3308,  
0.2704

 16.0494, 0.3435,  
0.2249


150.8567, 0.3296,  
0.2744

 9.5591, 0.3475,  
0.2096

187.4956, 0.3285,  
0.2779

 5.1076, 0.3525,  
0.1894

229.6328, 0.3276,  
0.2809

 2.3105, 0.3588,  
0.1616

277.6527, 0.3268,

 0.7793, 0.3667,

0.2837

0.1211

331.9398, 0.3261,  
0.2861

0.0000, 0.3980,  
0.0000

0.0000, 0.0000,  
0.0000

51.5969, 0.3355,  
0.2539

51.5969, 0.3355,  
0.2539

43.4538, 0.3434,  
0.2352

61.5500, 0.3283,  
0.2737

37.0164, 0.3520,  
0.2186

73.4242, 0.3220,  
0.2939

32.1567, 0.3611,  
0.2053

87.3119, 0.3165,  
0.3137

28.7324, 0.3703,  
0.1961

100.0000, 0.3127,  
0.3290

■ 26.5753, 0.3794,  
0.1916

■ 25.4572, 0.3881,  
0.1918

■ 25.2965, 0.3898,  
0.1921

# Harmonies

## Analogous

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



51.5969, 0.2671, 0.2279



51.5969, 0.3355, 0.2539



51.5969, 0.4041, 0.2957

# Triad

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



51.5969, 0.3355, 0.2539



51.5969, 0.4083, 0.4417



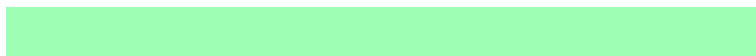
51.5969, 0.1951, 0.2882

# Complementary

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



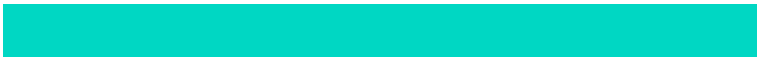
51.5969, 0.3355, 0.2539



82.0845, 0.2962, 0.4185

# 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.



51.5969, 0.2250, 0.3578



51.5969, 0.3355, 0.2539



51.5969, 0.3469, 0.4572

# Square

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



51.5969, 0.3355, 0.2539



51.5969, 0.4464, 0.3984



51.5969, 0.2797, 0.4261



51.5969, 0.1930, 0.2417



# Rectangle

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



51.5969, 0.3355, 0.2539



51.5969, 0.4366, 0.3289



51.5969, 0.2797, 0.4261



51.5969, 0.2020, 0.3095

# Sweetspot

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



51.5942, 0.3355, 0.2539



82.9875, 0.3181, 0.3079



41.2574, 0.2570, 0.2170



17.3516, 0.3188, 0.3052



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.



51.5942, 0.3355, 0.2539



44.9732, 0.3417, 0.2389



49.2352, 0.3800, 0.3004



18.2257, 0.3173, 0.3108



13.2418, 0.3884, 0.1913



1.3057, 0.3791, 0.1862



# Inverse Universe

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



51.5942, 0.3355, 0.2539



44.9732, 0.3417, 0.2389



84.3632, 0.2725, 0.3603



18.2257, 0.3173, 0.3108



13.2418, 0.3884, 0.1913



1.3057, 0.3791, 0.1862



# Previews

## White Background



This preview shows how the Yxy color 51.5969, 0.3355, 0.2539 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

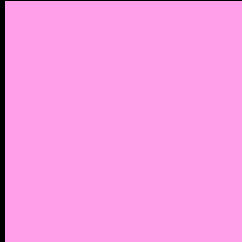
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.5969, 0.3355, 0.2539 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

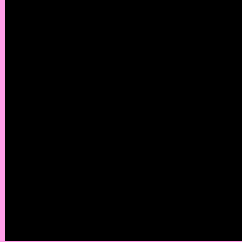
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.5969, 0.3355, 0.2539**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.5969, 0.3355, 0.2539.



This preview shows how white text looks on a background with the Yxy color 51.5969, 0.3355, 0.2539.

# 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

51.5969, 0.3355, 0.2539

### Protanopia

51.9571, 0.2565, 0.2512

### Deuteranopia

51.7956, 0.2861, 0.2793



## Tritanopia

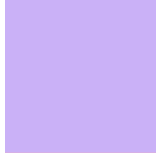
51.4812, 0.3760, 0.3152

# Trichromacy



## Original Color

51.5969, 0.3355, 0.2539



## Protanomaly

50.7162, 0.2810, 0.2506



## Deuteranomaly

51.0600, 0.3024, 0.2683



## Tritanomaly

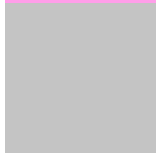
51.2303, 0.3609, 0.2912

# Monochromacy



## Original Color

51.5969, 0.3355, 0.2539



## Achromatopsia

55.2011, 0.3127, 0.3290



## Achromatomaly

52.8111, 0.3209, 0.2981

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.5969, 0.3355, 0.2539 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, 158, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 233)  
}
```

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, 158, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 51.5969, 0.3355, 0.2539 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, 158, 233) }
```

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

```
.border{ border-color:rgb(255, 158, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 158, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.5969, 0.3355, 0.2539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 158, 233) }
```

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

```
.background{ background-color: rgb(255,  
158, 233) }
```

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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