

# Converting Colors

Yxy(51.5317, 0.3364, 0.2549)

Have a look what the booklet for  
Yxy(51.5317, 0.3364, 0.2549)  
contains.

<b>Yxy(51.5399, 0.3363, 0.2548)</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(51.5399, 0.3363, 0.2548)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9EE8
RGB	255, 158, 232
RGB Percent	100%, 62%, 91%
CMY	0.0001, 0.3803, 0.0902
CMYK	0.00, 0.38, 0.09, 0.00
HSL	314°, 100%, 81%
HSV	314°, 38%, 100%
XYZ	68.0254, 51.5399, 82.7106
YIQ	195.4390, 34.0580, 43.5780

# Conversions

## Conversions Part 2

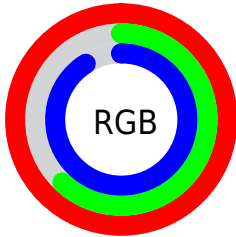
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 158, 232
Decimal	16752360
CIE Lab	77.00, 46.36, -22.13
CIE LCh	77, 51.376, 334.481
Yxy	51.5399, 0.3363, 0.2548
Android (android.graphics.Color)	4294942440 (0xFFFF9EE8)
YUV	195.4390, 18.0246, 52.2350
Hunter-Lab	71.7913, 43.5018, -18.0540

# Details

The Yxy color **51.5399, 0.3363, 0.2548** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **82.1100, 0.2957, 0.4172**, and the grayscale version is **54.7260, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5731, 0.3146, 0.2891**, and **24.9055, 0.3420, 0.2378** is the 20% darker color. If you saturate the color by 10%, you get **43.3889, 0.3446, 0.2363**, and if you desaturate by 10%, it is **61.5118, 0.3289, 0.2744**.

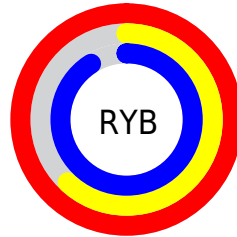
# Distribution



Red (100%)

Green (62%)

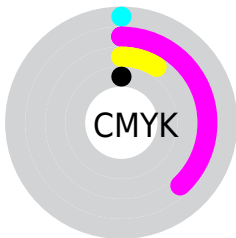
Blue (91%)



Red (100%)

Yellow (62%)

Blue (91%)

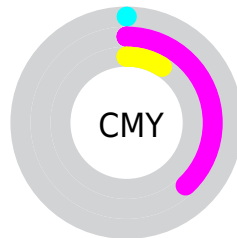


Cyan (0%)

Magenta (38%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (38%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.5399, 0.3363, 0.2548 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 51.5399, 0.3363, 0.2548 by changing the saturation by 10% instead.




 51.5399, 0.3363,  
0.2548


 51.5399, 0.3363,  
0.2548


392.6578, 0.3258,  
0.2888

 36.6385, 0.3386,  
0.2472


 92.4523, 0.3327,  
0.2665

 24.9277, 0.3413,  
0.2378


 119.2321, 0.3313,  
0.2711

 16.0232, 0.3447,  
0.2260


150.7402, 0.3301,  
0.2750

 9.5406, 0.3489,  
0.2109

187.3608, 0.3290,  
0.2785

 5.0954, 0.3543,  
0.1908

229.4785, 0.3281,  
0.2815

 2.3034, 0.3612,  
0.1631

277.4777, 0.3272,

 0.7755, 0.3701,

0.2842

0.1225

331.7426, 0.3265,  
0.2866

0.0000, 0.4042,  
0.0000

0.0000, 0.0000,  
0.0000

51.5399, 0.3363,  
0.2548

51.5399, 0.3363,  
0.2548

43.3889, 0.3446,  
0.2363

61.5118, 0.3289,  
0.2744

36.9391, 0.3536,  
0.2199

73.4003, 0.3223,  
0.2943

32.0679, 0.3631,  
0.2067

87.3030, 0.3167,  
0.3139

28.6328, 0.3728,  
0.1976

99.9950, 0.3127,  
0.3290

■ 26.4658, 0.3823,  
0.1933

■ 25.3392, 0.3915,  
0.1937

■ 25.1758, 0.3933,  
0.1940

# Harmonies

## Analogous

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



51.5399, 0.2682, 0.2287



51.5399, 0.3363, 0.2548



51.5399, 0.4043, 0.2965

# Triad

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



51.5399, 0.3363, 0.2548



51.5399, 0.4071, 0.4414



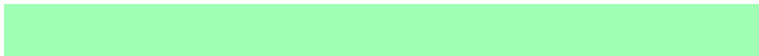
51.5399, 0.1957, 0.2878

# Complementary

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



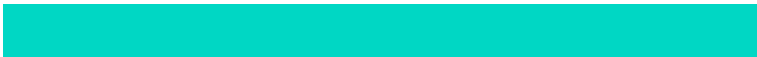
51.5399, 0.3363, 0.2548



82.1100, 0.2957, 0.4172

# 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.



51.5399, 0.2250, 0.3567



51.5399, 0.3363, 0.2548



51.5399, 0.3459, 0.4562

# Square

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



51.5399, 0.3363, 0.2548



51.5399, 0.4453, 0.3987



51.5399, 0.2792, 0.4247



51.5399, 0.1939, 0.2419



# Rectangle

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



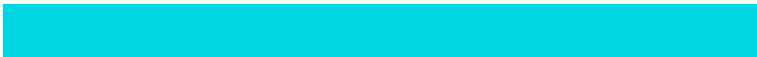
51.5399, 0.3363, 0.2548



51.5399, 0.4362, 0.3297



51.5399, 0.2792, 0.4247



51.5399, 0.2024, 0.3088

# Sweetspot

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



51.5423, 0.3363, 0.2548



82.9702, 0.3183, 0.3081



41.4597, 0.2583, 0.2174



17.3475, 0.3190, 0.3055



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.



51.5423, 0.3363, 0.2548



44.9088, 0.3428, 0.2399



49.1711, 0.3815, 0.3021



18.2224, 0.3174, 0.3110



13.1824, 0.3918, 0.1932



1.3004, 0.3820, 0.1878



# Inverse Universe

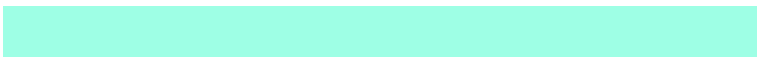
The Inverse Universe completely reimagines the original color for something new.



51.5423, 0.3363, 0.2548



44.9088, 0.3428, 0.2399



84.4381, 0.2717, 0.3584



18.2224, 0.3174, 0.3110



13.1824, 0.3918, 0.1932



1.3004, 0.3820, 0.1878



# Previews

## White Background



This preview shows how the Yxy color 51.5399, 0.3363, 0.2548 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

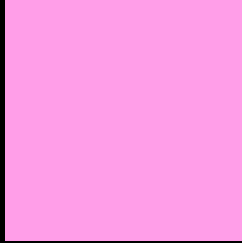
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.5399, 0.3363, 0.2548 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

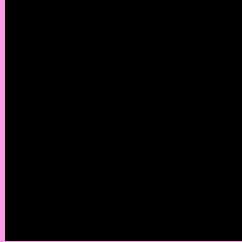
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.5399, 0.3363, 0.2548**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.5399, 0.3363, 0.2548.

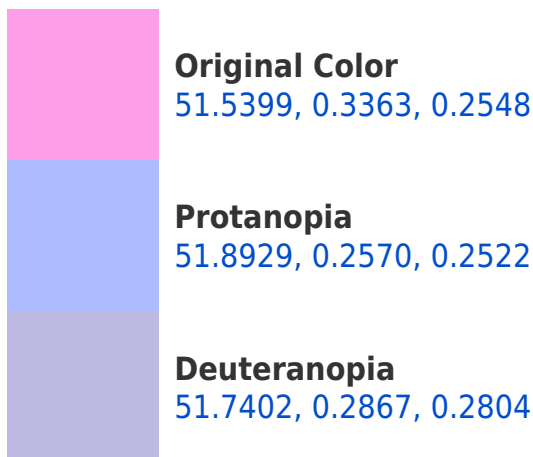


This preview shows how white text looks on a background with the Yxy color 51.5399, 0.3363, 0.2548.

# 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





## Tritanopia

51.4812, 0.3760, 0.3152

# Trichromacy



## Original Color

51.5399, 0.3363, 0.2548



## Protanomaly

50.6547, 0.2817, 0.2516



## Deuteranomaly

51.0040, 0.3031, 0.2694



## Tritanomaly

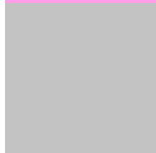
51.2303, 0.3609, 0.2912

# Monochromacy



## Original Color

51.5399, 0.3363, 0.2548



## Achromatopsia

54.5724, 0.3127, 0.3290



## Achromatomaly

52.7617, 0.3217, 0.2992

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.5399, 0.3363, 0.2548 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 51.5399, 0.3363, 0.2548 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, 232) }
```

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

```
.border{ border-color:rgb(255, 158, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.5399, 0.3363, 0.2548 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, 232) }
```

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

```
.background{ background-color: rgb(255,  
158, 232) }
```

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