

# Converting Colors

$Y_{xy}(54.3962, 0.3546, 0.2787)$

Have a look what the booklet for  
Yxy(54.3962, 0.3546, 0.2787)  
contains.

<b>Yxy(53.4903, 0.3494, 0.2779)</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(53.4903, 0.3494, 0.2779)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA6D8
RGB	255, 166, 216
RGB Percent	100%, 65%, 85%
CMY	0.0002, 0.3489, 0.1530
CMYK	0.00, 0.35, 0.15, 0.00
HSL	326°, 100%, 83%
HSV	326°, 35%, 100%
XYZ	67.2526, 53.4903, 71.7374
YIQ	198.3110, 36.9940, 34.4180

# Conversions

## Conversions Part 2

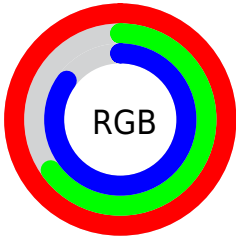
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 166, 216
Decimal	16754392
CIE Lab	78.16, 39.67, -11.68
CIE LCh	78, 41.353, 343.595
Yxy	53.4903, 0.3494, 0.2779
Android (android.graphics.Color)	4294944472 (0xFFFFA6D8)
YUV	198.3110, 8.7207, 49.7163
Hunter-Lab	73.1371, 36.1485, -6.9594

# Details

The Yxy color **53.4903, 0.3494, 0.2779** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **83.9996, 0.2878, 0.3868**, and the grayscale version is **56.6018, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7226, 0.3142, 0.2970**, and **26.2538, 0.3589, 0.2664** is the 20% darker color. If you saturate the color by 10%, you get **44.5637, 0.3644, 0.2633**, and if you desaturate by 10%, it is **64.2982, 0.3365, 0.2930**.

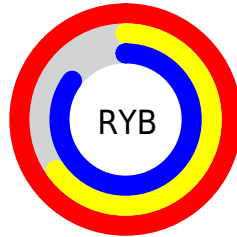
# Distribution



Red (100%)

Green (65%)

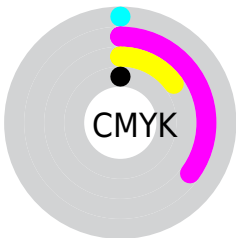
Blue (85%)



Red (100%)

Yellow (65%)

Blue (85%)

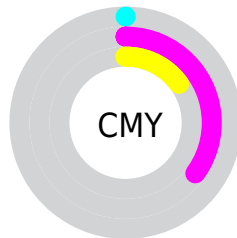


Cyan (0%)

Magenta (35%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (35%)


Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.4903, 0.3494, 0.2779 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 53.4903, 0.3494, 0.2779 by changing the saturation by 10% instead.





 53.4903, 0.3494,  
0.2779

 53.4903, 0.3494,  
0.2779


400.1634, 0.3320,  
0.3018

 38.1943, 0.3535,  
0.2724


 95.3255, 0.3433,  
0.2862

 26.1335, 0.3585,  
0.2656


 122.6334, 0.3409,  
0.2895

 16.9236, 0.3651,  
0.2569


154.7141, 0.3389,  
0.2922

 10.1800, 0.3737,  
0.2455

191.9521, 0.3372,  
0.2946

 5.5185, 0.3857,  
0.2300

234.7315, 0.3356,  
0.2968

 2.5546, 0.4035,  
0.2076

283.4370, 0.3343,

 0.9039, 0.4324,

0.2986

0.1728

338.4528, 0.3331,  
0.3003

0.0000, 0.5657,  
0.0000

0.0000, 0.0000,  
0.0000

53.4903, 0.3494,  
0.2779

53.4903, 0.3494,  
0.2779

44.5637, 0.3644,  
0.2633

64.2982, 0.3365,  
0.2930

37.4011, 0.3816,  
0.2502

77.0810, 0.3257,  
0.3079

31.8837, 0.4008,  
0.2396

91.9345, 0.3166,  
0.3223

27.8746, 0.4213,  
0.2328

99.9884, 0.3127,  
0.3290

■ 25.2143, 0.4424,  
0.2310

■ 23.7071, 0.4631,  
0.2347

■ 23.2388, 0.4735,  
0.2382

# Harmonies

## Analogous

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



53.4903, 0.2932, 0.2516



53.4903, 0.3494, 0.2779



53.4903, 0.3985, 0.3158

# Triad

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



53.4903, 0.3494, 0.2779



53.4903, 0.3765, 0.4260



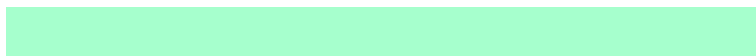
53.4903, 0.2143, 0.2837

# Complementary

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



53.4903, 0.3494, 0.2779



83.9996, 0.2878, 0.3868

# 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.



53.4903, 0.2324, 0.3343



53.4903, 0.3494, 0.2779



53.4903, 0.3244, 0.4247

# Square

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



53.4903, 0.3494, 0.2779



53.4903, 0.4132, 0.3992



53.4903, 0.2718, 0.3893



53.4903, 0.2194, 0.2520



# Rectangle

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



53.4903, 0.3494, 0.2779



53.4903, 0.4179, 0.3444



53.4903, 0.2718, 0.3893



53.4903, 0.2177, 0.2989

# Sweetspot

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



53.4928, 0.3494, 0.2779



84.0969, 0.3210, 0.3150



47.4202, 0.2769, 0.2315



17.5585, 0.3223, 0.3130



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.



53.4928, 0.3494, 0.2779



46.9662, 0.3599, 0.2674



51.5128, 0.3906, 0.3230



18.1580, 0.3206, 0.3157



12.1800, 0.4703, 0.2364



1.2079, 0.4485, 0.2244



# Inverse Universe

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



53.4928, 0.3494, 0.2779



46.9662, 0.3599, 0.2674



86.4326, 0.2661, 0.3354



18.1580, 0.3206, 0.3157



12.1800, 0.4703, 0.2364



1.2079, 0.4485, 0.2244



# Previews

## White Background



This preview shows how the Yxy color 53.4903, 0.3494, 0.2779 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

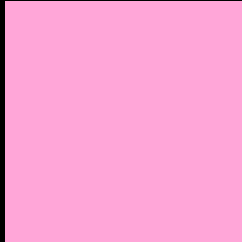
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.4903, 0.3494, 0.2779 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

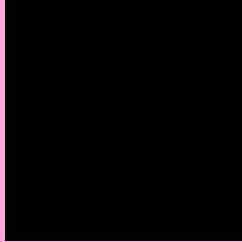
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.4903, 0.3494, 0.2779**

## Background



This preview shows how black text looks on a background with the Yxy color 53.4903, 0.3494, 0.2779.



This preview shows how white text looks on a background with the Yxy color 53.4903, 0.3494, 0.2779.

# 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

53.4903, 0.3494, 0.2779

### Protanopia

53.8968, 0.2788, 0.2805

### Deuteranopia

53.5573, 0.3076, 0.3008



## Tritanopia

53.5171, 0.3730, 0.3154

# Trichromacy



## Original Color

53.4903, 0.3494, 0.2779



## Protanomaly

53.1147, 0.3014, 0.2790



## Deuteranomaly

53.1346, 0.3229, 0.2919



## Tritanomaly

53.4304, 0.3642, 0.3018

# Monochromacy



## Original Color

53.4903, 0.3494, 0.2779



## Achromatopsia

56.4712, 0.3127, 0.3290



## Achromatomaly

54.5857, 0.3254, 0.3073

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.4903, 0.3494, 0.2779 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, 166, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 216)  
}
```

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, 166, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 53.4903, 0.3494, 0.2779 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, 166, 216) }
```

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

```
.border{ border-color:rgb(255, 166, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 166, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
216) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 53.4903, 0.3494, 0.2779$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 166, 216) }
```

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

```
.background{ background-color: rgb(255,  
166, 216) }
```

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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