

# Converting Colors

$Yxy(53.0406, 0.3489, 0.2882)$

Have a look what the booklet for  
Yxy(53.0406, 0.3489, 0.2882)  
contains.

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# Color

**Yxy(53.0777, 0.3490, 0.2889)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7AAD0
RGB	247, 170, 208
RGB Percent	97%, 67%, 82%
CMY	0.0313, 0.3333, 0.1844
CMYK	0.00, 0.31, 0.16, 0.03
HSL	330°, 83%, 82%
HSV	330°, 31%, 97%
XYZ	64.1195, 53.0777, 66.5263
YIQ	197.3550, 33.6940, 28.1420

# Conversions

## Conversions Part 2

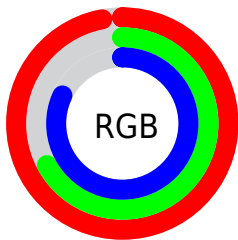
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	247, 170, 208
Decimal	16231120
CIE Lab	77.92, 33.69, -7.78
CIE LCh	78, 34.573, 346.999
Yxy	53.0777, 0.3490, 0.2889
Android (android.graphics.Color)	4294421200 (0xFF7AAD0)
YUV	197.3550, 5.2480, 43.5387
Hunter-Lab	72.8544, 29.6033, -3.1419

# Details

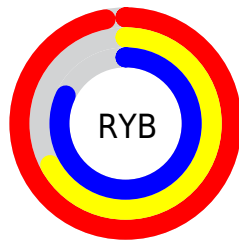
The Yxy color **53.0777, 0.3490, 0.2889** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **79.6827, 0.2873, 0.3732**, and the grayscale version is **56.0142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8727, 0.3140, 0.3009**, and **25.8745, 0.3573, 0.2786** is the 20% darker color. If you saturate the color by 10%, you get **44.0806, 0.3656, 0.2758**, and if you desaturate by 10%, it is **63.8682, 0.3350, 0.3022**.

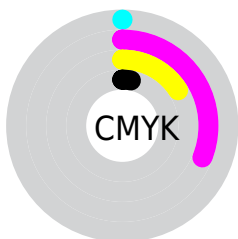
# Distribution



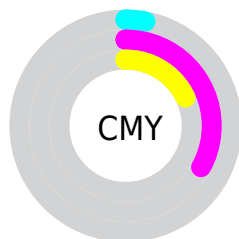
- Red (97%)
- Green (67%)
- Blue (82%)



- Red (97%)
- Yellow (67%)
- Blue (82%)



- Cyan (0%)
- Magenta (31%)
- Yellow (16%)
- Black (3%)



- Cyan (3%)
- Magenta (33%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.0777, 0.3490, 0.2889 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 53.0777, 0.3490, 0.2889 by changing the saturation by 10% instead.




 53.0777, 0.3490,  
0.2889

 53.0777, 0.3490,  
0.2889

398.5832, 0.3316,  
0.3079

 37.8648, 0.3531,  
0.2845


 94.7187, 0.3428,  
0.2956

 25.8778, 0.3584,  
0.2789


121.9156, 0.3405,  
0.2982

 16.7322, 0.3651,  
0.2718

153.8759, 0.3384,  
0.3004

 10.0438, 0.3742,  
0.2623

190.9841, 0.3367,  
0.3023

 5.4280, 0.3871,  
0.2492

233.6245, 0.3352,  
0.3039

 2.5005, 0.4066,  
0.2297

282.1816, 0.3338,

 0.8769, 0.4397,

0.3054

0.1981

337.0396, 0.3326,  
0.3067

0.0000, 0.6731,  
0.0000

0.0000, 0.0000,  
0.0000

53.0777, 0.3490,  
0.2889

53.0777, 0.3490,  
0.2889

44.0806, 0.3656,  
0.2758

63.8682, 0.3350,  
0.3022

36.7707, 0.3849,  
0.2636

76.5359, 0.3234,  
0.3152

31.0421, 0.4069,  
0.2535

91.1681, 0.3137,  
0.3276

26.7735, 0.4310,  
0.2466

98.5170, 0.3078,  
0.3290

■ 23.8258, 0.4563,  
0.2443

■ 22.0324, 0.4815,  
0.2475

■ 21.1775, 0.5027,  
0.2543

# Harmonies

## Analogous

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



53.0777, 0.3018, 0.2648



53.0777, 0.3490, 0.2889



53.0777, 0.3880, 0.3226

# Triad

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



53.0777, 0.3490, 0.2889



53.0777, 0.3626, 0.4115



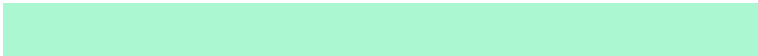
53.0777, 0.2284, 0.2876

# Complementary

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



53.0777, 0.3490, 0.2889



79.6827, 0.2873, 0.3732

# 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.



53.0777, 0.2420, 0.3288



53.0777, 0.3490, 0.2889



53.0777, 0.3181, 0.4061

# Square

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



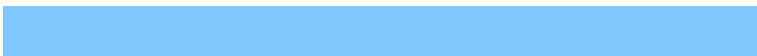
53.0777, 0.3490, 0.2889



53.0777, 0.3951, 0.3926



53.0777, 0.2741, 0.3743



53.0777, 0.2350, 0.2620



# Rectangle

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



53.0777, 0.3490, 0.2889



53.0777, 0.4024, 0.3473



53.0777, 0.2741, 0.3743



53.0777, 0.2307, 0.3000

# Sweetspot

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



53.0801, 0.3490, 0.2889



85.4947, 0.3211, 0.3180



48.9502, 0.2856, 0.2439



17.8326, 0.3226, 0.3161



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.



53.0801, 0.3490, 0.2889



51.1412, 0.3584, 0.2811



51.4294, 0.3840, 0.3292



16.6188, 0.3216, 0.3174



11.2271, 0.4990, 0.2522



1.0075, 0.4706, 0.2366



# Inverse Universe

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



53.0801, 0.3490, 0.2889



51.1412, 0.3584, 0.2811



81.7938, 0.2679, 0.3289



16.6188, 0.3216, 0.3174



11.2271, 0.4990, 0.2522



1.0075, 0.4706, 0.2366



# Previews

## White Background



This preview shows how the Yxy color 53.0777, 0.3490, 0.2889 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

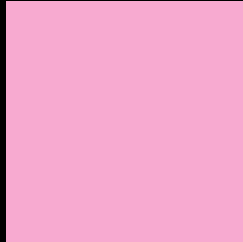
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.0777, 0.3490, 0.2889 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 53.0777, 0.3490, 0.2889**

## Background



This preview shows how black text looks on a background with the Yxy color 53.0777, 0.3490, 0.2889.



This preview shows how white text looks on a background with the Yxy color 53.0777, 0.3490, 0.2889.

# 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

53.0777, 0.3490, 0.2889

### Protanopia

53.6646, 0.2882, 0.2931

### Deuteranopia

53.0702, 0.3145, 0.3077



## Tritanopia

53.2724, 0.3653, 0.3151

# Trichromacy



## Original Color

53.0777, 0.3490, 0.2889



## Protanomaly

52.8460, 0.3080, 0.2908



## Deuteranomaly

52.8761, 0.3267, 0.3006



## Tritanomaly

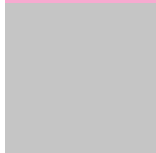
53.4201, 0.3592, 0.3055

# Monochromacy



## Original Color

53.0777, 0.3490, 0.2889



## Achromatopsia

55.8340, 0.3127, 0.3290



## Achromatomaly

54.2048, 0.3251, 0.3128

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.0777, 0.3490, 0.2889 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(247, 170, 208)` looks like.

```
.text, #text, p{  
    color:rgb(247, 170, 208)  
}
```

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(247, 170, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 170, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 53.0777, 0.3490, 0.2889 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(247, 170, 208) }
```

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

```
.border{ border-color:rgb(247, 170, 208) }
```

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

Here you see how a box with a 4 pixel rgb(247, 170, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 170, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 170, 208);  
box-shadow:4px 4px 4px 4px rgb(247, 170,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.0777, 0.3490, 0.2889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 170, 208) }
```

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

```
.background{ background-color: rgb(247,  
170, 208) }
```

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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