

# Converting Colors

Yxy(53.6064, 0.3334, 0.2693)

Have a look what the booklet for  
Yxy(53.6064, 0.3334, 0.2693)  
contains.

<b>Yxy(53.6411, 0.3335, 0.2699)</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(53.6411, 0.3335, 0.2699)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7A9E2
RGB	247, 169, 226
RGB Percent	97%, 66%, 89%
CMY	0.0313, 0.3373, 0.1137
CMYK	0.00, 0.32, 0.09, 0.03
HSL	316°, 83%, 82%
HSV	316°, 32%, 97%
XYZ	66.2812, 53.6411, 78.8220
YIQ	198.8200, 28.1910, 34.2630

# Conversions

## Conversions Part 2

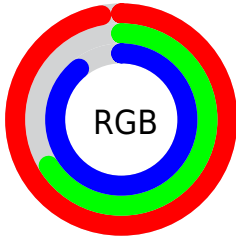
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	247, 169, 226
Decimal	16230882
CIE Lab	78.25, 37.13, -17.08
CIE LCh	78, 40.872, 335.303
Yxy	53.6411, 0.3335, 0.2699
Android (android.graphics.Color)	4294420962 (0xFFF7A9E2)
YUV	198.8200, 13.3997, 42.2539
Hunter-Lab	73.2401, 33.3698, -12.5407

# Details

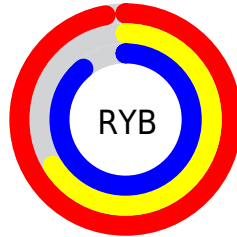
The Yxy color **53.6411, 0.3335, 0.2699** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **78.6893, 0.2970, 0.3966**, and the grayscale version is **56.9033, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3304, 0.3141, 0.2999**, and **26.3782, 0.3382, 0.2561** is the 20% darker color. If you saturate the color by 10%, you get **44.9467, 0.3422, 0.2513**, and if you desaturate by 10%, it is **64.0906, 0.3258, 0.2890**.

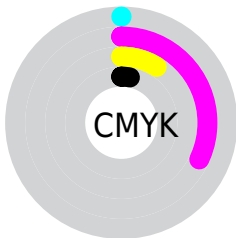
# Distribution



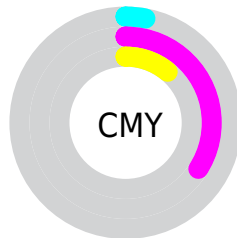
- Red (97%)
- Green (66%)
- Blue (89%)



- Red (97%)
- Yellow (66%)
- Blue (89%)



- Cyan (0%)
- Magenta (32%)
- Yellow (9%)
- Black (3%)




- Cyan (3%)
- Magenta (34%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.6411, 0.3335, 0.2699 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 53.6411, 0.3335, 0.2699 by changing the saturation by 10% instead.





 53.6411, 0.3335,  
0.2699

 53.6411, 0.3335,  
0.2699

400.7399, 0.3240,  
0.2973

 38.3148, 0.3356,  
0.2637


 95.5471, 0.3303,  
0.2794

 26.2271, 0.3382,  
0.2560


122.8955, 0.3290,  
0.2831

 16.9936, 0.3414,  
0.2463


155.0202, 0.3279,  
0.2862

 10.2299, 0.3456,  
0.2337

192.3054, 0.3269,  
0.2890

 5.5517, 0.3511,  
0.2166

235.1356, 0.3261,  
0.2915

 2.5744, 0.3586,  
0.1925

283.8952, 0.3253,

 0.9138, 0.3692,

0.2936

0.1561

338.9685, 0.3246,  
0.2955

0.0000, 0.4236,  
0.0000

0.0000, 0.0000,  
0.0000

53.6411, 0.3335,  
0.2699

53.6411, 0.3335,  
0.2699

44.9467, 0.3422,  
0.2513

64.0906, 0.3258,  
0.2890

37.9021, 0.3519,  
0.2340

76.3785, 0.3192,  
0.3079

32.4016, 0.3625,  
0.2191

90.5915, 0.3135,  
0.3262

28.3245, 0.3736,  
0.2078

98.3665, 0.3092,  
0.3313

■ 25.5319, 0.3849,  
0.2009

■ 98.5189, 0.3078,  
0.3290

■ 23.8568, 0.3960,  
0.1988

■ 23.0951, 0.4050,  
0.2005

# Harmonies

## Analogous

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



53.6411, 0.2793, 0.2480



53.6411, 0.3335, 0.2699



53.6411, 0.3858, 0.3048

# Triad

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



53.6411, 0.3335, 0.2699



53.6411, 0.3879, 0.4197



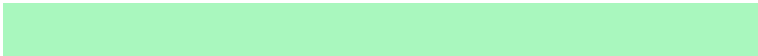
53.6411, 0.2181, 0.2966

# Complementary

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



53.6411, 0.3335, 0.2699



78.6893, 0.2970, 0.3966

# 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.



53.6411, 0.2422, 0.3498



53.6411, 0.3335, 0.2699



53.6411, 0.3393, 0.4272

# Square

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



53.6411, 0.3335, 0.2699



53.6411, 0.4176, 0.3883



53.6411, 0.2859, 0.4011



53.6411, 0.2168, 0.2594



# Rectangle

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



53.6411, 0.3335, 0.2699



53.6411, 0.4103, 0.3324



53.6411, 0.2859, 0.4011



53.6411, 0.2236, 0.3132

# Sweetspot

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



53.6435, 0.3335, 0.2699



85.8297, 0.3176, 0.3127



46.0114, 0.2712, 0.2392



17.9153, 0.3185, 0.3100



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.



53.6435, 0.3335, 0.2699



51.3999, 0.3390, 0.2577



51.7481, 0.3682, 0.3096



16.6877, 0.3179, 0.3119



12.2363, 0.4033, 0.1995



1.0925, 0.3906, 0.1925



# Inverse Universe

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



53.6435, 0.3335, 0.2699



51.3999, 0.3390, 0.2577



80.6184, 0.2765, 0.3497



16.6877, 0.3179, 0.3119



12.2363, 0.4033, 0.1995



1.0925, 0.3906, 0.1925



# Previews

## White Background



This preview shows how the Yxy color 53.6411, 0.3335, 0.2699 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

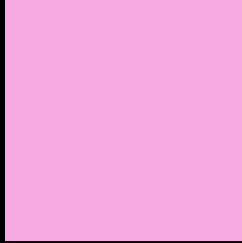
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.6411, 0.3335, 0.2699 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

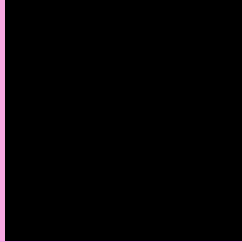
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.6411, 0.3335, 0.2699**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.6411, 0.3335, 0.2699.



This preview shows how white text looks on a background with the Yxy color 53.6411, 0.3335, 0.2699.

# 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

53.6411, 0.3335, 0.2699

### Protanopia

54.0552, 0.2711, 0.2705

### Deuteranopia

53.8112, 0.2964, 0.2903



## Tritanopia

53.6020, 0.3604, 0.3150

# Trichromacy



## Original Color

53.6411, 0.3335, 0.2699



## Protanomaly

53.4589, 0.2918, 0.2702



## Deuteranomaly

53.3825, 0.3092, 0.2828



## Tritanomaly

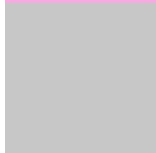
53.3845, 0.3511, 0.2980

# Monochromacy



## Original Color

53.6411, 0.3335, 0.2699



## Achromatopsia

57.1125, 0.3127, 0.3290



## Achromatomaly

55.1688, 0.3196, 0.3050

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.6411, 0.3335, 0.2699 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, 169, 226)` looks like.

```
.text, #text, p{  
    color:rgb(247, 169, 226)  
}
```

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, 169, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 169, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 53.6411, 0.3335, 0.2699 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, 169, 226) }
```

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

```
.border{ border-color:rgb(247, 169, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 169, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 169, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 169, 226);  
box-shadow:4px 4px 4px 4px rgb(247, 169,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.6411, 0.3335, 0.2699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 169, 226) }
```

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

```
.background{ background-color: rgb(247,  
169, 226) }
```

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