

# Converting Colors

Yxy(56.4492, 0.3451, 0.2818)

Have a look what the booklet for  
Yxy(56.4492, 0.3451, 0.2818)  
contains.

<b>Yxy(56.3144, 0.3449, 0.2811)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(56.3144, 0.3449, 0.2811)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFADDC
RGB	255, 173, 220
RGB Percent	100%, 68%, 86%
CMY	0.0001, 0.3215, 0.1373
CMYK	0.00, 0.32, 0.14, 0.00
HSL	326°, 100%, 84%
HSV	326°, 32%, 100%
XYZ	69.0958, 56.3144, 74.9256
YIQ	202.8760, 33.7850, 32.0010

# Conversions

## Conversions Part 2

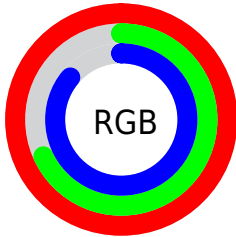
Format	Color
R <sub>YB</sub>	255, 173, 220
Decimal	16756188
CIE <sub>Lab</sub>	79.79, 36.68, -11.41
CIE <sub>LCh</sub>	80, 38.417, 342.719
Yxy	56.3144, 0.3449, 0.2811
Android (android.graphics.Color)	4294946268 (0xFFFFADDC)
YUV	202.8760, 8.4421, 45.7127
Hunter-Lab	75.0429, 33.0289, -6.6673

# Details

The Yxy color **56.3144, 0.3449, 0.2811** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **84.9521, 0.2900, 0.3826**, and the grayscale version is **59.5706, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5186, 0.3139, 0.3039**, and **27.7806, 0.3527, 0.2691** is the 20% darker color. If you saturate the color by 10%, you get **46.8942, 0.3589, 0.2660**, and if you desaturate by 10%, it is **67.6434, 0.3329, 0.2965**.

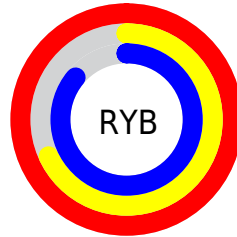
# Distribution



Red (100%)

Green (68%)

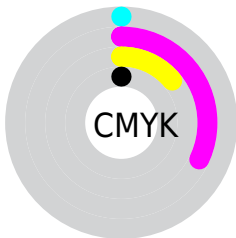
Blue (86%)



Red (100%)

Yellow (68%)

Blue (86%)

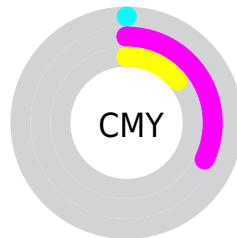


Cyan (0%)

Magenta (32%)

Yellow (14%)

Black (0%)



Cyan (0%)

Magenta (32%)


Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.3144, 0.3449, 0.2811 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 56.3144, 0.3449, 0.2811 by changing the saturation by 10% instead.





 56.3144, 0.3449,  
0.2811

 56.3144, 0.3449,  
0.2811


410.8753, 0.3298,  
0.3033

 40.4551, 0.3484,  
0.2760


 99.4641, 0.3396,  
0.2888

 27.8935, 0.3528,  
0.2697


127.5233, 0.3376,  
0.2918

 18.2454, 0.3583,  
0.2617


160.4178, 0.3358,  
0.2944

 11.1263, 0.3657,  
0.2513

198.5322, 0.3343,  
0.2967

 6.1519, 0.3758,  
0.2371

242.2507, 0.3330,  
0.2986

 2.9376, 0.3907,  
0.2167

291.9578, 0.3318,

 1.0993, 0.4143,

0.3004

0.1853

348.0378, 0.3307,  
0.3019

0.0000, 0.5307,  
0.0000

0.0000, 0.0000,  
0.0000

56.3144, 0.3449,  
0.2811

56.3144, 0.3449,  
0.2811

46.8942, 0.3589,  
0.2660

67.6434, 0.3329,  
0.2965

39.2677, 0.3751,  
0.2521

80.9721, 0.3228,  
0.3116

33.3198, 0.3932,  
0.2405

96.3949, 0.3143,  
0.3260

28.9182, 0.4127,  
0.2324

99.9973, 0.3127,  
0.3290

■ 25.9106, 0.4331,  
0.2289

■ 24.1134, 0.4533,  
0.2307

■ 23.3358, 0.4687,  
0.2356

# Harmonies

## Analogous

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



56.3144, 0.2936, 0.2571



56.3144, 0.3449, 0.2811



56.3144, 0.3899, 0.3161

# Triad

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



56.3144, 0.3449, 0.2811



56.3144, 0.3728, 0.4173



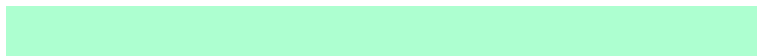
56.3144, 0.2222, 0.2891

# Complementary

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



56.3144, 0.3449, 0.2811



84.9521, 0.2900, 0.3826

# 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.



56.3144, 0.2398, 0.3357



56.3144, 0.3449, 0.2811



56.3144, 0.3254, 0.4163

# Square

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



56.3144, 0.3449, 0.2811



56.3144, 0.4055, 0.3931



56.3144, 0.2768, 0.3850



56.3144, 0.2263, 0.2590



# Rectangle

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



56.3144, 0.3449, 0.2811



56.3144, 0.4082, 0.3426



56.3144, 0.2768, 0.3850



56.3144, 0.2257, 0.3033

# Sweetspot

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



56.3170, 0.3449, 0.2811



84.1141, 0.3208, 0.3147



50.4022, 0.2793, 0.2396



17.5627, 0.3221, 0.3127



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.



56.3170, 0.3449, 0.2811



49.6666, 0.3543, 0.2707



54.4396, 0.3810, 0.3220



18.1616, 0.3204, 0.3155



12.2255, 0.4656, 0.2339



1.2122, 0.4445, 0.2222



# Inverse Universe

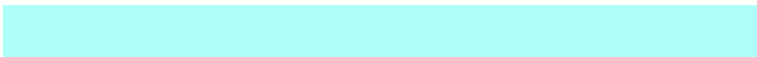
The Inverse Universe completely reimagines the original color for something new.



56.3170, 0.3449, 0.2811



49.6666, 0.3543, 0.2707



87.1841, 0.2699, 0.3363



18.1616, 0.3204, 0.3155



12.2255, 0.4656, 0.2339



1.2122, 0.4445, 0.2222



# Previews

## White Background



This preview shows how the Yxy color 56.3144, 0.3449, 0.2811 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

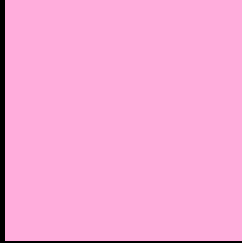
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.3144, 0.3449, 0.2811 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

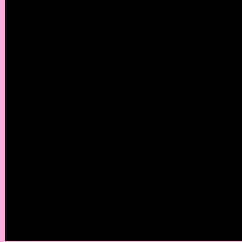
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.3144, 0.3449, 0.2811**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.3144, 0.3449, 0.2811.



This preview shows how white text looks on a background with the Yxy color 56.3144, 0.3449, 0.2811.

# 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

56.3144, 0.3449, 0.2811

### Protanopia

56.4252, 0.2814, 0.2836

### Deuteranopia

56.6531, 0.3084, 0.3025



## Tritanopia

56.3420, 0.3659, 0.3144

# Trichromacy



## Original Color

56.3144, 0.3449, 0.2811



## Protanomaly

55.9758, 0.3023, 0.2820



## Deuteranomaly

56.2963, 0.3217, 0.2947



## Tritanomaly

56.1976, 0.3584, 0.3020

# Monochromacy



## Original Color

56.3144, 0.3449, 0.2811



## Achromatopsia

59.7202, 0.3127, 0.3290



## Achromatomaly

57.8323, 0.3241, 0.3099

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.3144, 0.3449, 0.2811 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, 173, 220)` looks like.

```
.text, #text, p{  
    color:rgb(255, 173, 220)  
}
```

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, 173, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 173, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 56.3144, 0.3449, 0.2811 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, 173, 220) }
```

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

```
.border{ border-color:rgb(255, 173, 220) }
```

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

Here you see how a box with a 4 pixel rgb(255, 173, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 173, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 173, 220);  
box-shadow:4px 4px 4px 4px rgb(255, 173,  
220) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.3144, 0.3449, 0.2811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 173, 220) }
```

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

```
.background{ background-color: rgb(255,  
173, 220) }
```

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