

# Converting Colors

Yxy(56.9669, 0.3371, 0.2727)

Have a look what the booklet for  
Yxy(56.9669, 0.3371, 0.2727)  
contains.

<b>Yxy(56.8043, 0.3373, 0.2724)</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(56.8043, 0.3373, 0.2724)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFAEE5
RGB	255, 173, 229
RGB Percent	100%, 68%, 90%
CMY	0.0000, 0.3216, 0.1019
CMYK	0.00, 0.32, 0.10, 0.00
HSL	319°, 100%, 84%
HSV	319°, 32%, 100%
XYZ	70.3381, 56.8043, 81.3903
YIQ	203.9020, 30.8960, 34.8000

# Conversions

## Conversions Part 2

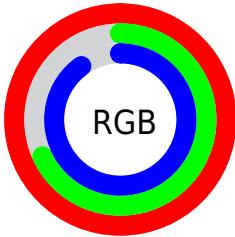
Format	Color
<a href="#">RYB</a>	<a href="#">255, 173, 229</a>
Decimal	<a href="#">16756197</a>
CIELab	<a href="#">80.07, 38.17, -15.87</a>
CIELCh	<a href="#">80, 41.336, 337.418</a>
Yxy	<a href="#">56.8043, 0.3373, 0.2724</a>
Android (android.graphics.Color)	<a href="#">4294946277</a> ( <a href="#">0xFFFFADE5</a> )
YUV	<a href="#">203.9020, 12.3733, 44.8129</a>
Hunter-Lab	<a href="#">75.3686, 34.6907, -11.2690</a>

# Details

The Yxy color **56.8043, 0.3373, 0.2724** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **84.5251, 0.2946, 0.3935**, and the grayscale version is **60.2181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5186, 0.3139, 0.3039**, and **28.0811, 0.3434, 0.2594** is the 20% darker color. If you saturate the color by 10%, you get **47.4952, 0.3476, 0.2548**, and if you desaturate by 10%, it is **67.9900, 0.3283, 0.2904**.

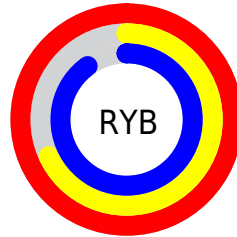
# Distribution



Red (100%)

Green (68%)

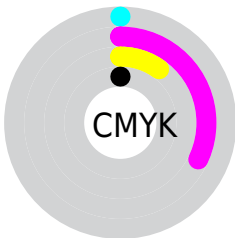
Blue (90%)



Red (100%)

Yellow (68%)

Blue (90%)

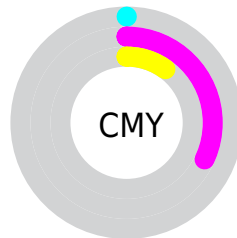


Cyan (0%)

Magenta (32%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (32%)


Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.8043, 0.3373, 0.2724 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 56.8043, 0.3373, 0.2724 by changing the saturation by 10% instead.




 56.8043, 0.3373,  
0.2724

 56.8043, 0.3373,  
0.2724


412.7156, 0.3261,  
0.2984

 40.8481, 0.3398,  
0.2665


 100.1796, 0.3334,  
0.2814

 28.2004, 0.3429,  
0.2593


128.3675, 0.3319,  
0.2849

 18.4768, 0.3468,  
0.2502


161.4014, 0.3306,  
0.2879

 11.2929, 0.3519,  
0.2385

199.6658, 0.3295,  
0.2905

 6.2642, 0.3586,  
0.2227

243.5450, 0.3285,  
0.2929

 3.0064, 0.3680,  
0.2004


293.4235, 0.3276,

 1.1351, 0.3820,

0.2949

0.1671


349.6855, 0.3268,  
0.2967


 0.0077, 0.4539,  
0.0037


 0.0000, 0.0000,  
0.0000


 56.8043, 0.3373,  
0.2724


 56.8043, 0.3373,  
0.2724


 47.4952, 0.3476,  
0.2548


 67.9900, 0.3283,  
0.2904

 39.9716, 0.3592,  
0.2386

 81.1664, 0.3205,  
0.3083

 34.1109, 0.3720,  
0.2247

 96.4197, 0.3140,  
0.3254

 29.7812, 0.3855,  
0.2144

100.0000, 0.3127,  
0.3290

■ 26.8307, 0.3993,  
0.2087

■ 25.0762, 0.4130,  
0.2080

■ 24.3231, 0.4234,  
0.2106

# Harmonies

## Analogous

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



56.8043, 0.2830, 0.2496



56.8043, 0.3373, 0.2724



56.8043, 0.3884, 0.3078

# Triad

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



56.8043, 0.3373, 0.2724



56.8043, 0.3844, 0.4205



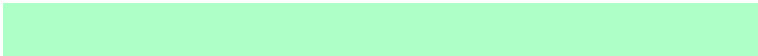
56.8043, 0.2179, 0.2937

# Complementary

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



56.8043, 0.3373, 0.2724



84.5251, 0.2946, 0.3935

# 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.



56.8043, 0.2403, 0.3457



56.8043, 0.3373, 0.2724



56.8043, 0.3354, 0.4257

# Square

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



56.8043, 0.3373, 0.2724



56.8043, 0.4156, 0.3906



56.8043, 0.2826, 0.3975



56.8043, 0.2182, 0.2582



# Rectangle

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



56.8043, 0.3373, 0.2724



56.8043, 0.4113, 0.3354



56.8043, 0.2826, 0.3975



56.8043, 0.2229, 0.3097

# Sweetspot

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



56.7991, 0.3373, 0.2724



84.2861, 0.3190, 0.3120



49.2377, 0.2732, 0.2380



17.6044, 0.3200, 0.3096



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.



56.7991, 0.3373, 0.2724



50.2399, 0.3442, 0.2603



54.7733, 0.3734, 0.3134



18.1966, 0.3187, 0.3129



12.7377, 0.4213, 0.2095



1.2601, 0.4070, 0.2016



# Inverse Universe

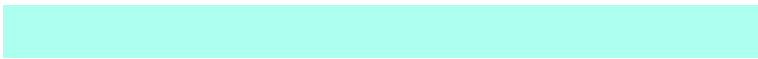
The Inverse Universe completely reimagines the original color for something new.



56.7991, 0.3373, 0.2724



50.2399, 0.3442, 0.2603



86.6917, 0.2738, 0.3455



18.1966, 0.3187, 0.3129



12.7377, 0.4213, 0.2095



1.2601, 0.4070, 0.2016



# Previews

## White Background



This preview shows how the Yxy color 56.8043, 0.3373, 0.2724 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

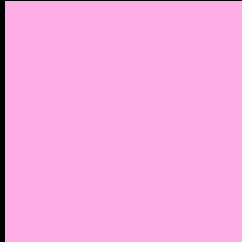
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.8043, 0.3373, 0.2724 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

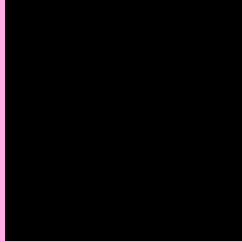
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.8043, 0.3373, 0.2724**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.8043, 0.3373, 0.2724.



This preview shows how white text looks on a background with the Yxy color 56.8043, 0.3373, 0.2724.

# 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

56.8043, 0.3373, 0.2724

### Protanopia

57.2164, 0.2739, 0.2740

### Deuteranopia

57.1416, 0.2997, 0.2935



## Tritanopia

57.0020, 0.3637, 0.3154

# Trichromacy



## Original Color

56.8043, 0.3373, 0.2724



## Protanomaly

56.1955, 0.2944, 0.2725



## Deuteranomaly

56.4561, 0.3132, 0.2850



## Tritanomaly

56.5960, 0.3538, 0.2988

# Monochromacy



## Original Color

56.8043, 0.3373, 0.2724



## Achromatopsia

60.3827, 0.3127, 0.3290



## Achromatomaly

58.6320, 0.3218, 0.3067

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.8043, 0.3373, 0.2724 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, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 173, 229)  
}
```

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, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 173, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 56.8043, 0.3373, 0.2724 is called "border". The border property can be set on classes, ids or directly on the HTML element.

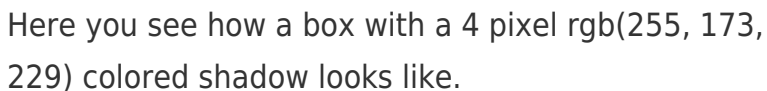
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 173, 229) }
```

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

```
.border{ border-color:rgb(255, 173, 229) }
```

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, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 173, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 173, 229); box-shadow:4px 4px 4px 4px rgb(255, 173, 229) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.8043, 0.3373, 0.2724 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, 229) }
```

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

```
.background{ background-color: rgb(255,  
173, 229) }
```

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