

Converting Colors

$Y_{xy}(55.7710, 0.3599, 0.2992)$

Have a look what the booklet for
Yxy(55.7710, 0.3599, 0.2992)
contains.

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Color

Yxy(55.8439, 0.3596, 0.2990)

Conversions

Conversions Part 1

Format	Color
Hex	FFAECB
RGB	255, 174, 203
RGB Percent	100%, 68%, 80%
CMY	0.0000, 0.3177, 0.2038
CMYK	0.00, 0.32, 0.20, 0.00
HSL	338°, 100%, 84%
HSV	338°, 32%, 100%
XYZ	67.1621, 55.8439, 63.7629
YIQ	201.5250, 38.9670, 26.1910

Conversions

Conversions Part 2

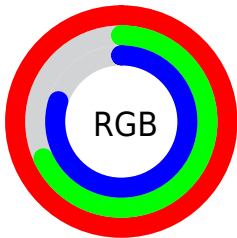
Format	Color
R _Y B	255, 174, 203
Decimal	16756427
CIE Lab	79.52, 33.60, -2.63
CIE LCh	80, 33.705, 355.526
Yxy	55.8439, 0.3596, 0.2990
Android (android.graphics.Color)	4294946507 (0xFFFFAECB)
YUV	201.5250, 0.7272, 46.8976
Hunter-Lab	74.7288, 29.6506, 1.7205

Details

The Yxy color **55.8439, 0.3596, 0.2990** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **86.0069, 0.2813, 0.3615**, and the grayscale version is **58.7292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0736, 0.3138, 0.3048**, and **27.7150, 0.3717, 0.2920** is the 20% darker color. If you saturate the color by 10%, you get **46.1701, 0.3813, 0.2894**, and if you desaturate by 10%, it is **67.4710, 0.3415, 0.3088**.

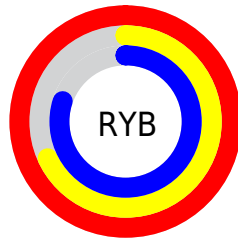
Distribution



Red (100%)

Green (68%)

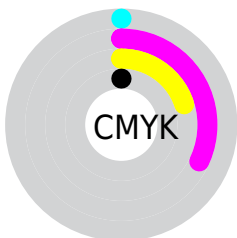
Blue (80%)



Red (100%)

Yellow (68%)

Blue (80%)

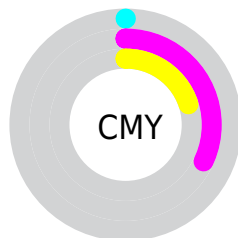


Cyan (0%)

Magenta (32%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (32%)


Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.8439, 0.3596, 0.2990 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 55.8439, 0.3596, 0.2990 by changing the saturation by 10% instead.


 55.8439, 0.3596,
0.2990

 55.8439, 0.3596,
0.2990


409.1030, 0.3370,
0.3134

 40.0778, 0.3650,
0.2956


 98.7763, 0.3516,
0.3041

 27.5992, 0.3718,
0.2913


126.7114, 0.3485,
0.3060

 18.0237, 0.3807,
0.2859


159.4716, 0.3459,
0.3077

 10.9670, 0.3926,
0.2785

197.4413, 0.3436,
0.3091

 6.0447, 0.4095,
0.2682

241.0049, 0.3416,
0.3104

 2.8723, 0.4354,
0.2526

290.5467, 0.3399,

 1.0654, 0.4794,

0.3115

0.2267

346.4513, 0.3384,
0.3125

0.0000, 0.8589,
0.0000

0.0000, 0.0000,
0.0000

55.8439, 0.3596,
0.2990

55.8439, 0.3596,
0.2990

46.1701, 0.3813,
0.2894

67.4710, 0.3415,
0.3088

38.3396, 0.4071,
0.2807

81.1503, 0.3267,
0.3184

32.2334, 0.4366,
0.2739

96.9754, 0.3146,
0.3275

27.7180, 0.4692,
0.2703

100.0000, 0.3127,
0.3290

■ 24.6397, 0.5030,
0.2712

■ 22.8140, 0.5354,
0.2773

■ 22.0227, 0.5593,
0.2855

Harmonies

Analogous

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



55.8439, 0.3151, 0.2726



55.8439, 0.3596, 0.2990



55.8439, 0.3920, 0.3331

Triad

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



55.8439, 0.3596, 0.2990



55.8439, 0.3492, 0.4092



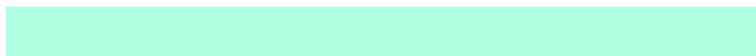
55.8439, 0.2314, 0.2807

Complementary

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



55.8439, 0.3596, 0.2990



86.0069, 0.2813, 0.3615

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.



55.8439, 0.2391, 0.3166



55.8439, 0.3596, 0.2990



55.8439, 0.3054, 0.3963

Square

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



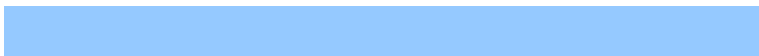
55.8439, 0.3596, 0.2990



55.8439, 0.3848, 0.3972



55.8439, 0.2654, 0.3605



55.8439, 0.2433, 0.2609

Rectangle

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



55.8439, 0.3596, 0.2990



55.8439, 0.4010, 0.3569



55.8439, 0.2654, 0.3605



55.8439, 0.2318, 0.2911

Sweetspot

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



55.8444, 0.3596, 0.2990



83.7866, 0.3244, 0.3200



53.5463, 0.2932, 0.2440



17.4836, 0.3262, 0.3187



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.



55.8444, 0.3596, 0.2990



49.5911, 0.3727, 0.2929



58.9288, 0.3825, 0.3405



18.0947, 0.3238, 0.3205



11.5332, 0.5550, 0.2831



1.1429, 0.5237, 0.2658

Inverse Universe

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



55.8444, 0.3596, 0.2990



49.5911, 0.3727, 0.2929



81.0398, 0.2657, 0.3170



18.0947, 0.3238, 0.3205



11.5332, 0.5550, 0.2831



1.1429, 0.5237, 0.2658

Previews

White Background



This preview shows how the Yxy color 55.8439, 0.3596, 0.2990 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 55.8439, 0.3596, 0.2990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

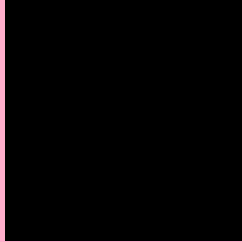
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.8439, 0.3596, 0.2990

Background



This preview shows how black text looks on a background with the Yxy color 55.8439, 0.3596, 0.2990.



This preview shows how white text looks on a background with the Yxy color 55.8439, 0.3596, 0.2990.

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

55.8439, 0.3596, 0.2990

Protanopia

56.0398, 0.2976, 0.3053

Deuteranopia

55.8788, 0.3255, 0.3186



Tritanopia

55.8392, 0.3700, 0.3145

Trichromacy



Original Color

55.8439, 0.3596, 0.2990



Protanomaly

55.4213, 0.3188, 0.3028



Deuteranomaly

55.7380, 0.3380, 0.3112



Tritanomaly

55.6709, 0.3657, 0.3082

Monochromacy



Original Color

55.8439, 0.3596, 0.2990



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

57.3357, 0.3287, 0.3177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8439, 0.3596, 0.2990 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, 174, 203)` looks like.

```
.text, #text, p{  
    color:rgb(255, 174, 203)  
}
```

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, 174, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 174, 203) }
```

Border

The CSS property to change the border of an element to Yxy 55.8439, 0.3596, 0.2990 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, 174, 203) }
```

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

```
.border{ border-color:rgb(255, 174, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 174, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 174, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 174, 203);  
box-shadow:4px 4px 4px 4px rgb(255, 174,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8439, 0.3596, 0.2990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 174, 203) }
```

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

```
.background{ background-color: rgb(255,  
174, 203) }
```

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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