

Converting Colors

$Y_{xy}(56.7800, 0.3818, 0.2876)$

Have a look what the booklet for
Yxy(56.7800, 0.3818, 0.2876)
contains.

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Color

Yxy(51.5569, 0.3593, 0.2837)

Conversions

Conversions Part 1

Format	Color
Hex	FFA2CE
RGB	255, 162, 206
RGB Percent	100%, 64%, 81%
CMY	0.0000, 0.3646, 0.1923
CMYK	0.00, 0.36, 0.19, 0.00
HSL	332°, 100%, 82%
HSV	332°, 36%, 100%
XYZ	65.2957, 51.5569, 64.8777
YIQ	194.8230, 41.3040, 33.4000

Conversions

Conversions Part 2

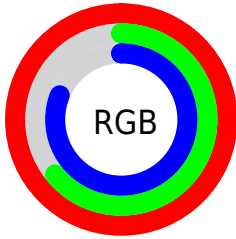
Format	Color
R_{YB}	255, 162, 206
Decimal	16753358
CIE _{Lab}	77.02, 40.26, -7.93
CIE _{LCh}	77, 41.029, 348.862
Yxy	51.5569, 0.3593, 0.2837
Android (android.graphics.Color)	4294943438 (0xFFFFA2CE)
YUV	194.8230, 5.5103, 52.7752
Hunter-Lab	71.8031, 36.6673, -3.3093

Details

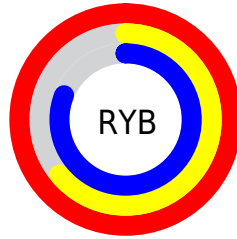
The Yxy color **51.5569, 0.3593, 0.2837** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **83.9056, 0.2826, 0.3798**, and the grayscale version is **54.4116, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6228, 0.3144, 0.2930**, and **25.0746, 0.3714, 0.2726** is the 20% darker color. If you saturate the color by 10%, you get **42.8415, 0.3782, 0.2715**, and if you desaturate by 10%, it is **62.1544, 0.3433, 0.2965**.

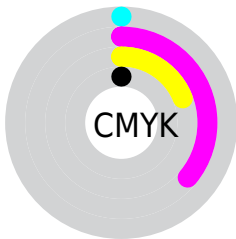
Distribution



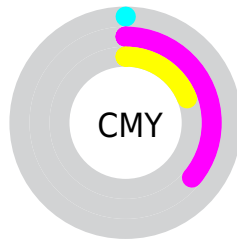
- Red (100%)
- Green (64%)
- Blue (81%)



- Red (100%)
- Yellow (64%)
- Blue (81%)



- Cyan (0%)
- Magenta (36%)
- Yellow (19%)
- Black (0%)





- Cyan (0%)
- Magenta (36%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.5569, 0.3593, 0.2837 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 51.5569, 0.3593, 0.2837 by changing the saturation by 10% instead.


 51.5569, 0.3593,
0.2837


 51.5569, 0.3593,
0.2837


392.7236, 0.3368,
0.3052

 36.6520, 0.3647,
0.2787


 92.4774, 0.3513,
0.2913

 24.9382, 0.3715,
0.2724


 119.2619, 0.3482,
0.2942

 16.0310, 0.3803,
0.2643


150.7749, 0.3456,
0.2967

 9.5461, 0.3921,
0.2536

187.4010, 0.3434,
0.2988

 5.0991, 0.4090,
0.2386

229.5245, 0.3414,
0.3007

 2.3055, 0.4347,
0.2166

277.5299, 0.3397,

 0.7766, 0.4788,

0.3024

0.1803

331.8014, 0.3382,
0.3039

0.0000, 0.7748,
0.0000

0.0000, 0.0000,
0.0000

51.5569, 0.3593,
0.2837

51.5569, 0.3593,
0.2837

42.8415, 0.3782,
0.2715

62.1544, 0.3433,
0.2965

35.8888, 0.4000,
0.2607

74.7295, 0.3299,
0.3092

30.5769, 0.4244,
0.2526

89.3800, 0.3188,
0.3215

26.7653, 0.4507,
0.2485

99.9991, 0.3127,
0.3290

■ 24.2891, 0.4775,
0.2496

■ 22.9427, 0.5031,
0.2562

■ 22.6280, 0.5119,
0.2594

Harmonies

Analogous

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



51.5569, 0.3027, 0.2548



51.5569, 0.3593, 0.2837



51.5569, 0.4053, 0.3231

Triad

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



51.5569, 0.3593, 0.2837



51.5569, 0.3683, 0.4286



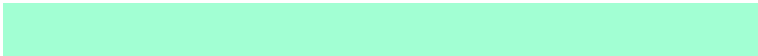
51.5569, 0.2131, 0.2764

Complementary

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



51.5569, 0.3593, 0.2837



83.9056, 0.2826, 0.3798

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.



51.5569, 0.2272, 0.3244



51.5569, 0.3593, 0.2837



51.5569, 0.3148, 0.4213

Square

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



51.5569, 0.3593, 0.2837



51.5569, 0.4088, 0.4056



51.5569, 0.2634, 0.3806



51.5569, 0.2223, 0.2483

Rectangle

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



51.5569, 0.3593, 0.2837



51.5569, 0.4212, 0.3521



51.5569, 0.2634, 0.3806



51.5569, 0.2152, 0.2905

Sweetspot

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



51.5593, 0.3593, 0.2837



82.4745, 0.3236, 0.3160



46.7752, 0.2809, 0.2282



17.2292, 0.3251, 0.3143



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.



51.5593, 0.3593, 0.2837



44.8228, 0.3733, 0.2744



50.2635, 0.4013, 0.3309



18.1300, 0.3220, 0.3178



11.8537, 0.5081, 0.2572



1.1760, 0.4811, 0.2424

Inverse Universe

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



51.5593, 0.3593, 0.2837



44.8228, 0.3733, 0.2744



85.4350, 0.2612, 0.3271



18.1300, 0.3220, 0.3178



11.8537, 0.5081, 0.2572



1.1760, 0.4811, 0.2424

Previews

White Background



This preview shows how the Yxy color 51.5569, 0.3593, 0.2837 looks on a white background.

Color Contrast Check

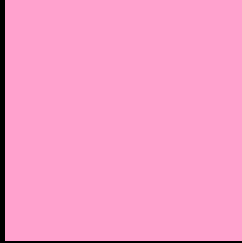
Large Text (above 18pt) WCAG AA × Fail

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 51.5569, 0.3593, 0.2837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

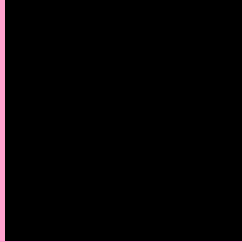
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.5569, 0.3593, 0.2837

Background



This preview shows how black text looks on a background with the Yxy color 51.5569, 0.3593, 0.2837.



This preview shows how white text looks on a background with the Yxy color 51.5569, 0.3593, 0.2837.

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

51.5569, 0.3593, 0.2837

Protanopia

51.9133, 0.2844, 0.2879

Deuteranopia

51.7996, 0.3153, 0.3087



Tritanopia

51.5876, 0.3809, 0.3164

Trichromacy



Original Color

51.5569, 0.3593, 0.2837



Protanomaly

50.9516, 0.3089, 0.2851



Deuteranomaly

51.4441, 0.3314, 0.2994



Tritanomaly

51.4670, 0.3729, 0.3039

Monochromacy



Original Color

51.5569, 0.3593, 0.2837



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

52.7422, 0.3288, 0.3105

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.5569, 0.3593, 0.2837 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, 162, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 162, 206)  
}
```

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, 162, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 162, 206) }
```

Border

The CSS property to change the border of an element to Yxy 51.5569, 0.3593, 0.2837 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, 162, 206) }
```

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

```
.border{ border-color:rgb(255, 162, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 162, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 162, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 162, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 162,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 51.5569, 0.3593, 0.2837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 162, 206) }
```

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

```
.background{ background-color: rgb(255,  
162, 206) }
```

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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