

Converting Colors

$Y_{xy}(57.0983, 0.3464, 0.2855)$

Have a look what the booklet for
Yxy(57.0983, 0.3464, 0.2855)
contains.

Yxy(56.9819, 0.3463, 0.2851)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(56.9819, 0.3463, 0.2851)

Conversions

Conversions Part 1

Format	Color
Hex	FFAFDA
RGB	255, 175, 218
RGB Percent	100%, 69%, 85%
CMY	0.0001, 0.3136, 0.1451
CMYK	0.00, 0.31, 0.15, 0.00
HSL	328°, 100%, 84%
HSV	328°, 31%, 100%
XYZ	69.2137, 56.9819, 73.6707
YIQ	203.8220, 33.8770, 30.3330

Conversions

Conversions Part 2

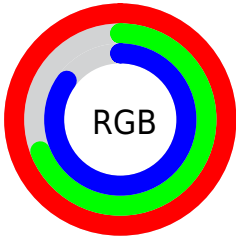
Format	Color
R_{YB}	255, 175, 218
Decimal	16756698
CIE _{Lab}	80.17, 35.31, -9.77
CIE _{LCh}	80, 36.640, 344.534
Yxy	56.9819, 0.3463, 0.2851
Android (android.graphics.Color)	4294946778 (0xFFFFAFDA)
YUV	203.8220, 6.9898, 44.8831
Hunter-Lab	75.4864, 31.5662, -5.0235

Details

The Yxy color **56.9819, 0.3463, 0.2851** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **85.3685, 0.2890, 0.3777**, and the grayscale version is **60.2055, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6318, 0.3138, 0.3058**, and **28.1894, 0.3547, 0.2741** is the 20% darker color. If you saturate the color by 10%, you get **47.3817, 0.3614, 0.2709**, and if you desaturate by 10%, it is **68.5050, 0.3335, 0.2996**.

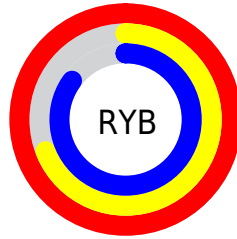
Distribution



Red (100%)

Green (69%)

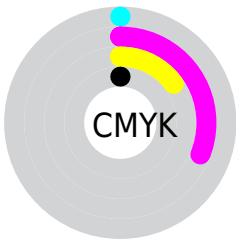
Blue (85%)



Red (100%)

Yellow (69%)

Blue (85%)

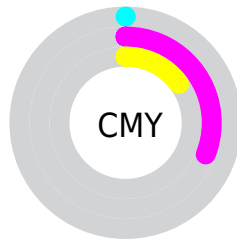


Cyan (0%)

Magenta (31%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (31%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.9819, 0.3463, 0.2851 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 56.9819, 0.3463, 0.2851 by changing the saturation by 10% instead.


 56.9819, 0.3463,
0.2851

 56.9819, 0.3463,
0.2851

413.3815, 0.3305,
0.3055

 40.9907, 0.3500,
0.2804


 100.4388, 0.3407,
0.2922

 28.3118, 0.3546,
0.2746


128.6733, 0.3386,
0.2950

 18.5609, 0.3605,
0.2672


161.7576, 0.3368,
0.2973

 11.3534, 0.3683,
0.2576

200.0763, 0.3352,
0.2994

 6.3051, 0.3791,
0.2443

244.0136, 0.3338,
0.3012

 3.0315, 0.3951,
0.2253


293.9539, 0.3325,

 1.1482, 0.4209,


0.3028


0.1956


350.2818, 0.3314,
0.3043


 0.0188, 0.5493,
0.0117


 0.0000, 0.0000,
0.0000


 56.9819, 0.3463,
0.2851

 56.9819, 0.3463,
0.2851


 47.3817, 0.3614,
0.2709


 68.5050, 0.3335,
0.2996

 39.5898, 0.3789,
0.2576

 82.0415, 0.3227,
0.3137

 33.4919, 0.3986,
0.2466

 97.6854, 0.3138,
0.3272

 28.9567, 0.4202,
0.2388

99.9934, 0.3127,
0.3290

■ 25.8339, 0.4428,
0.2357

■ 23.9426, 0.4652,
0.2380

■ 23.0603, 0.4840,
0.2440

Harmonies

Analogous

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



56.9819, 0.2975, 0.2613



56.9819, 0.3463, 0.2851



56.9819, 0.3880, 0.3191

Triad

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



56.9819, 0.3463, 0.2851



56.9819, 0.3676, 0.4136



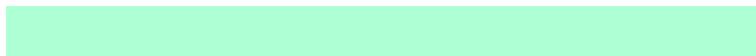
56.9819, 0.2260, 0.2891

Complementary

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



56.9819, 0.3463, 0.2851



85.3685, 0.2890, 0.3777

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.



56.9819, 0.2417, 0.3326



56.9819, 0.3463, 0.2851



56.9819, 0.3221, 0.4106

Square

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



56.9819, 0.3463, 0.2851



56.9819, 0.3997, 0.3921



56.9819, 0.2761, 0.3795



56.9819, 0.2311, 0.2612

Rectangle

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



56.9819, 0.3463, 0.2851



56.9819, 0.4044, 0.3445



56.9819, 0.2761, 0.3795



56.9819, 0.2289, 0.3022

Sweetspot

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



56.9845, 0.3463, 0.2851



85.5564, 0.3205, 0.3170



51.7362, 0.2823, 0.2425



17.8478, 0.3219, 0.3150



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.



56.9845, 0.3463, 0.2851



50.4098, 0.3561, 0.2756



55.1788, 0.3811, 0.3250



18.1503, 0.3210, 0.3163



12.0837, 0.4806, 0.2421



1.1986, 0.4573, 0.2293

Inverse Universe

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



56.9845, 0.3463, 0.2851



50.4098, 0.3561, 0.2756



87.5779, 0.2695, 0.3332



18.1503, 0.3210, 0.3163



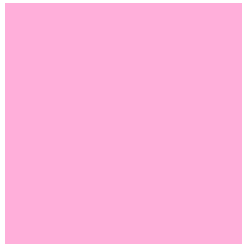
12.0837, 0.4806, 0.2421



1.1986, 0.4573, 0.2293

Previews

White Background



This preview shows how the Yxy color 56.9819, 0.3463, 0.2851 looks on a white background.

Color Contrast Check

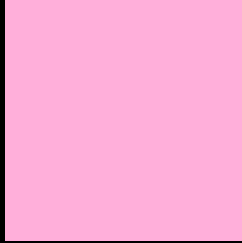
Large Text (above 18pt) WCAG AA × Fail

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 56.9819, 0.3463, 0.2851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

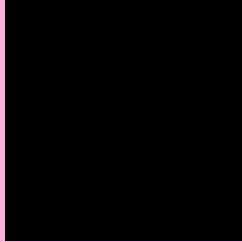
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.9819, 0.3463, 0.2851

Background



This preview shows how black text looks on a background with the Yxy color 56.9819, 0.3463, 0.2851.



This preview shows how white text looks on a background with the Yxy color 56.9819, 0.3463, 0.2851.

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

56.9819, 0.3463, 0.2851

Protanopia

57.5518, 0.2855, 0.2895

Deuteranopia

57.4869, 0.3115, 0.3050



Tritanopia

56.7859, 0.3648, 0.3144

Trichromacy



Original Color

56.9819, 0.3463, 0.2851



Protanomaly

56.9719, 0.3060, 0.2877



Deuteranomaly

56.9925, 0.3240, 0.2971



Tritanomaly

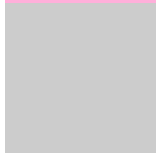
56.9877, 0.3580, 0.3041

Monochromacy



Original Color

56.9819, 0.3463, 0.2851



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

58.4314, 0.3248, 0.3111

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.9819, 0.3463, 0.2851 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, 175, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 175, 218)  
}
```

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, 175, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 175, 218) }
```

Border

The CSS property to change the border of an element to Yxy 56.9819, 0.3463, 0.2851 is called "border". The border property can be set on classes, ids or directly on the HTML element.

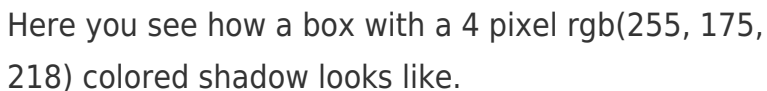
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 175, 218) }
```

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

```
.border{ border-color:rgb(255, 175, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 175, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 175, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 175, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 175,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 56.9819, 0.3463, 0.2851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 175, 218) }
```

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

```
.background{ background-color: rgb(255,  
175, 218) }
```

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