

Converting Colors

$Y_{xy}(55.9300, 0.3350, 0.2802)$

Have a look what the booklet for
Yxy(55.9300, 0.3350, 0.2802)
contains.

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Color

Yxy(55.9712, 0.3344, 0.2800)

Conversions

Conversions Part 1

Format	Color
Hex	F6B0DF
RGB	246, 176, 223
RGB Percent	96%, 69%, 87%
CMY	0.0353, 0.3097, 0.1256
CMYK	0.00, 0.28, 0.09, 0.04
HSL	320°, 80%, 83%
HSV	320°, 28%, 96%
XYZ	66.8456, 55.9712, 77.0803
YIQ	202.2880, 26.6330, 29.4570

Conversions

Conversions Part 2

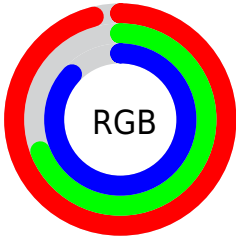
Format	Color
R _Y B	246, 176, 223
Decimal	16167135
CIE Lab	79.60, 32.59, -13.42
CIE LCh	80, 35.245, 337.611
Yxy	55.9712, 0.3344, 0.2800
Android (android.graphics.Color)	4294357215 (0xFFF6B0DF)
YUV	202.2880, 10.2110, 38.3354
Hunter-Lab	74.8139, 28.5639, -8.7164

Details

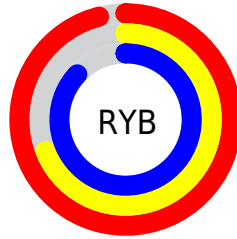
The Yxy color $55.9712, 0.3344, 0.2800$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $79.2608, 0.2962, 0.3837$, and the grayscale version is $59.1755, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.1932, 0.3138, 0.3068$, and $27.8119, 0.3395, 0.2687$ is the 20% darker color. If you saturate the color by 10%, you get $46.7588, 0.3446, 0.2625$, and if you desaturate by 10%, it is $66.9573, 0.3256, 0.2977$.

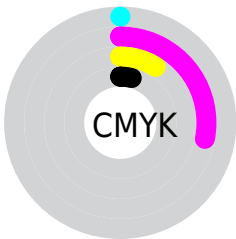
Distribution



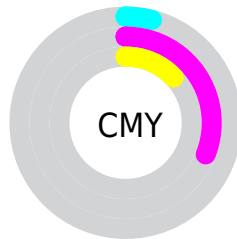
- Red (96%)
- Green (69%)
- Blue (87%)



- Red (96%)
- Yellow (69%)
- Blue (87%)



- Cyan (0%)
- Magenta (28%)
- Yellow (9%)
- Black (4%)




- Cyan (4%)
- Magenta (31%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.9712, 0.3344, 0.2800 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 55.9712, 0.3344, 0.2800 by changing the saturation by 10% instead.


 55.9712, 0.3344,
0.2800

 55.9712, 0.3344,
0.2800

409.5830, 0.3244,
0.3027

 40.1798, 0.3367,
0.2748


 98.9625, 0.3309,
0.2879

 27.6788, 0.3395,
0.2684


126.9312, 0.3296,
0.2910

 18.0837, 0.3431,
0.2602


159.7277, 0.3284,
0.2936

 11.0101, 0.3478,
0.2496

197.7366, 0.3274,
0.2959

 6.0736, 0.3541,
0.2351

241.3422, 0.3265,
0.2979

 2.8899, 0.3631,
0.2144

290.9288, 0.3257,

 1.0745, 0.3769,

0.2997

0.1824

346.8810, 0.3250,
0.3013

0.0000, 0.4584,
0.0000

0.0000, 0.0000,
0.0000

55.9712, 0.3344,
0.2800

55.9712, 0.3344,
0.2800

46.7588, 0.3446,
0.2625

66.9573, 0.3256,
0.2977

39.2178, 0.3561,
0.2459

79.7970, 0.3181,
0.3150

33.2469, 0.3690,
0.2312

94.5748, 0.3118,
0.3315

28.7311, 0.3828,
0.2197

98.3308, 0.3072,
0.3290

■ 25.5389, 0.3972,
0.2123

■ 23.5154, 0.4117,
0.2099

■ 22.4407, 0.4257,
0.2125

■ 22.3117, 0.4279,
0.2131

Harmonies

Analogous

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



55.9712, 0.2877, 0.2598



55.9712, 0.3344, 0.2800



55.9712, 0.3777, 0.3113

Triad

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



55.9712, 0.3344, 0.2800



55.9712, 0.3747, 0.4079



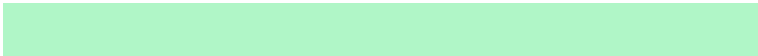
55.9712, 0.2303, 0.2991

Complementary

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



55.9712, 0.3344, 0.2800



79.2608, 0.2962, 0.3837

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.



55.9712, 0.2502, 0.3433



55.9712, 0.3344, 0.2800



55.9712, 0.3326, 0.4110

Square

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



55.9712, 0.3344, 0.2800



55.9712, 0.4011, 0.3833



55.9712, 0.2870, 0.3867



55.9712, 0.2306, 0.2680

Rectangle

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



55.9712, 0.3344, 0.2800



55.9712, 0.3972, 0.3356



55.9712, 0.2870, 0.3867



55.9712, 0.2348, 0.3129

Sweetspot

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



55.9737, 0.3344, 0.2800



85.7449, 0.3185, 0.3140



49.7384, 0.2787, 0.2498



17.8943, 0.3195, 0.3115



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.



55.9737, 0.3344, 0.2800



54.8945, 0.3399, 0.2701



54.3142, 0.3640, 0.3153



16.6702, 0.3188, 0.3132



11.9373, 0.4257, 0.2119



1.0681, 0.4092, 0.2028

Inverse Universe

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



55.9737, 0.3344, 0.2800



54.8945, 0.3399, 0.2701



81.0288, 0.2779, 0.3433



16.6702, 0.3188, 0.3132



11.9373, 0.4257, 0.2119



1.0681, 0.4092, 0.2028

Previews

White Background



This preview shows how the Yxy color 55.9712, 0.3344, 0.2800 looks on a white background.

Color Contrast Check

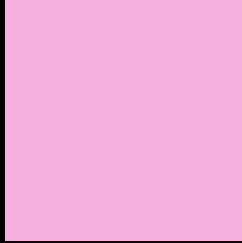
Large Text (above 18pt) WCAG AA × Fail

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 55.9712, 0.3344, 0.2800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

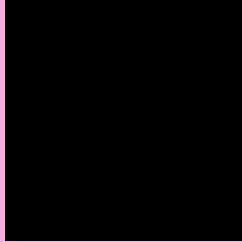
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.9712, 0.3344, 0.2800

Background



This preview shows how black text looks on a background with the Yxy color 55.9712, 0.3344, 0.2800.



This preview shows how white text looks on a background with the Yxy color 55.9712, 0.3344, 0.2800.

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

55.9712, 0.3344, 0.2800

Protanopia

56.3548, 0.2800, 0.2825

Deuteranopia

55.9884, 0.3032, 0.2967



Tritanopia

55.8651, 0.3540, 0.3139

Trichromacy



Original Color

55.9712, 0.3344, 0.2800



Protanomaly

55.8664, 0.2985, 0.2817



Deuteranomaly

55.7104, 0.3145, 0.2900



Tritanomaly

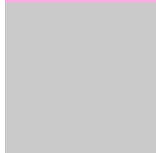
55.7027, 0.3466, 0.3012

Monochromacy



Original Color

55.9712, 0.3344, 0.2800



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

57.6985, 0.3200, 0.3097

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.9712, 0.3344, 0.2800 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(246, 176, 223)` looks like.

```
.text, #text, p{  
    color:rgb(246, 176, 223)  
}
```

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(246, 176, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 176, 223) }
```

Border

The CSS property to change the border of an element to Yxy 55.9712, 0.3344, 0.2800 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(246, 176, 223) }
```

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

```
.border{ border-color:rgb(246, 176, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 176, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 176, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 176, 223);  
box-shadow:4px 4px 4px 4px rgb(246, 176,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 55.9712, 0.3344, 0.2800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 176, 223) }
```

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

```
.background{ background-color: rgb(246,  
176, 223) }
```

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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