

Converting Colors

$Y_{xy}(42.2713, 0.3548, 0.2668)$

Have a look what the booklet for
Yxy(42.2713, 0.3548, 0.2668)
contains.

Yxy(42.3403, 0.3547, 0.2673)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.3403, 0.3547, 0.2673)

Conversions

Conversions Part 1

Format	Color
Hex	F08FC8
RGB	240, 143, 200
RGB Percent	94%, 56%, 78%
CMY	0.0588, 0.4392, 0.2156
CMYK	0.00, 0.40, 0.17, 0.06
HSL	325°, 76%, 75%
HSV	325°, 40%, 94%
XYZ	56.1845, 42.3403, 59.8752
YIQ	178.5010, 39.5150, 38.2910

Conversions

Conversions Part 2

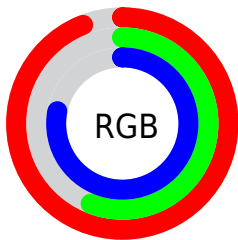
Format	Color
R _Y B	240, 143, 200
Decimal	15765448
CIE Lab	71.10, 44.17, -13.67
CIE LCh	71, 46.242, 342.800
Yxy	42.3403, 0.3547, 0.2673
Android (android.graphics.Color)	4293955528 (0xFFFF08FC8)
YUV	178.5010, 10.5990, 53.9346
Hunter-Lab	65.0694, 40.2550, -9.0085

Details

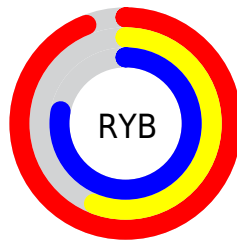
The Yxy color **42.3403, 0.3547, 0.2673** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **71.5743, 0.2859, 0.4010**, and the grayscale version is **44.7289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8682, 0.3153, 0.2732**, and **19.3327, 0.3658, 0.2514** is the 20% darker color. If you saturate the color by 10%, you get **35.4432, 0.3698, 0.2528**, and if you desaturate by 10%, it is **50.8124, 0.3416, 0.2828**.

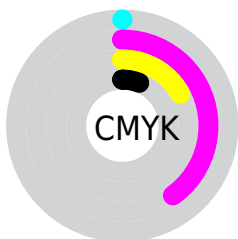
Distribution



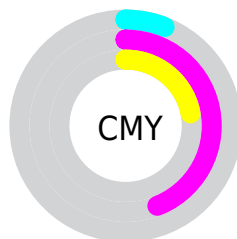
- Red (94%)
- Green (56%)
- Blue (78%)



- Red (94%)
- Yellow (56%)
- Blue (78%)



- Cyan (0%)
- Magenta (40%)
- Yellow (17%)
- Black (6%)




- Cyan (6%)
- Magenta (44%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.3403, 0.3547, 0.2673 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 42.3403, 0.3547, 0.2673 by changing the saturation by 10% instead.


 42.3403, 0.3547,
0.2673


 42.3403, 0.3547,
0.2673


355.8917, 0.3342,
0.2970

 29.3678, 0.3597,
0.2602


 78.7144, 0.3474,
0.2778

 19.3593, 0.3660,
0.2514


 102.8848, 0.3446,
0.2819

 11.9302, 0.3742,
0.2399

131.5567, 0.3422,
0.2853

 6.6961, 0.3853,
0.2246

165.1144, 0.3402,
0.2883

 3.2728, 0.4013,
0.2032

203.9424, 0.3384,
0.2909

 1.2758, 0.4260,
0.1713

248.4250, 0.3368,

 0.1223, 0.5059,

0.2932

0.0497

298.9466, 0.3354,
0.2952

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

42.3403, 0.3547,
0.2673

42.3403, 0.3547,
0.2673

35.4432, 0.3698,
0.2528

50.8124, 0.3416,
0.2828

30.0155, 0.3867,
0.2404

60.9446, 0.3304,
0.2985

25.9479, 0.4051,
0.2312

72.8228, 0.3209,
0.3138

23.1128, 0.4244,
0.2264

86.5253, 0.3130,
0.3284

■ 21.3586, 0.4438,
0.2268

■ 96.9134, 0.3066,
0.3344

■ 20.4508, 0.4618,
0.2318

■ 97.2643, 0.3035,
0.3290

Harmonies

Analogous

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



42.3403, 0.2869, 0.2372



42.3403, 0.3547, 0.2673



42.3403, 0.4153, 0.3109

Triad

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



42.3403, 0.3547, 0.2673



42.3403, 0.3892, 0.4449



42.3403, 0.1965, 0.2747

Complementary

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



42.3403, 0.3547, 0.2673



71.5743, 0.2859, 0.4010

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.



42.3403, 0.2177, 0.3362



42.3403, 0.3547, 0.2673



42.3403, 0.3270, 0.4472

Square

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



42.3403, 0.3547, 0.2673



42.3403, 0.4335, 0.4097



42.3403, 0.2643, 0.4048



42.3403, 0.2020, 0.2375

Rectangle

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



42.3403, 0.3547, 0.2673



42.3403, 0.4394, 0.3440



42.3403, 0.2643, 0.4048



42.3403, 0.2006, 0.2929

Sweetspot

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



42.3423, 0.3547, 0.2673



81.2210, 0.3223, 0.3113



35.8580, 0.2672, 0.2139



16.9866, 0.3235, 0.3094



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.



42.3423, 0.3547, 0.2673



42.3128, 0.3662, 0.2560



40.4607, 0.4052, 0.3185



15.9148, 0.3201, 0.3152



11.2228, 0.4589, 0.2302



0.9534, 0.4357, 0.2174

Inverse Universe

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



42.3423, 0.3547, 0.2673



42.3128, 0.3662, 0.2560



73.8867, 0.2617, 0.3404



15.9148, 0.3201, 0.3152



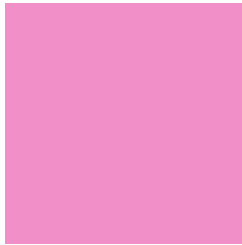
11.2228, 0.4589, 0.2302



0.9534, 0.4357, 0.2174

Previews

White Background



This preview shows how the Yxy color 42.3403, 0.3547, 0.2673 looks on a white background.

Color Contrast Check

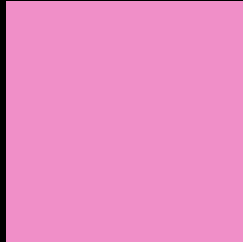
Large Text (above 18pt) WCAG AA × Fail

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 42.3403, 0.3547, 0.2673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

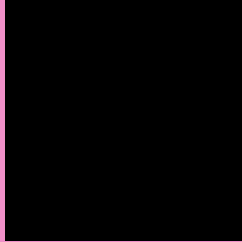
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.3403, 0.3547, 0.2673

Background



This preview shows how black text looks on a background with the Yxy color 42.3403, 0.3547, 0.2673.



This preview shows how white text looks on a background with the Yxy color 42.3403, 0.3547, 0.2673.

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

42.3403, 0.3547, 0.2673

Protanopia

42.8410, 0.2693, 0.2686

Deuteranopia

42.6347, 0.3028, 0.2967



Tritanopia

42.2542, 0.3886, 0.3156

Trichromacy



Original Color

42.3403, 0.3547, 0.2673



Protanomaly

41.7211, 0.2962, 0.2663



Deuteranomaly

41.8693, 0.3204, 0.2837



Tritanomaly

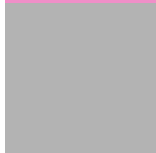
42.0066, 0.3757, 0.2967

Monochromacy



Original Color

42.3403, 0.3547, 0.2673



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

43.2778, 0.3268, 0.3029

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3403, 0.3547, 0.2673 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(240, 143, 200)` looks like.

```
.text, #text, p{  
    color:rgb(240, 143, 200)  
}
```

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(240, 143, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 143, 200) }
```

Border

The CSS property to change the border of an element to Yxy 42.3403, 0.3547, 0.2673 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(240, 143, 200) }
```

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

```
.border{ border-color:rgb(240, 143, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 143, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 143, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 143, 200);  
box-shadow:4px 4px 4px 4px rgb(240, 143,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3403, 0.3547, 0.2673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 143, 200) }
```

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

```
.background{ background-color: rgb(240,  
143, 200) }
```

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