

Converting Colors

$Y_{xy}(44.4026, 0.3395, 0.2342)$

Have a look what the booklet for
Yxy(44.4026, 0.3395, 0.2342)
contains.

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Color

Yxy(44.3575, 0.3395, 0.2341)

Conversions

Conversions Part 1

Format	Color
Hex	FF87E7
RGB	255, 135, 231
RGB Percent	100%, 53%, 91%
CMY	0.0000, 0.4706, 0.0940
CMYK	0.00, 0.47, 0.09, 0.00
HSL	312°, 100%, 76%
HSV	312°, 47%, 100%
XYZ	64.3288, 44.3575, 80.7947
YIQ	181.8240, 40.7040, 55.2960

Conversions

Conversions Part 2

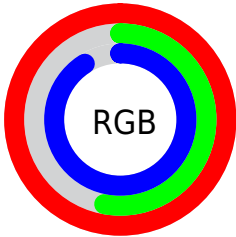
Format	Color
R_{YB}	255, 135, 231
Decimal	16746471
CIE _{Lab}	72.47, 57.67, -28.54
CIE _{LCh}	72, 64.346, 333.673
Yxy	44.3575, 0.3395, 0.2341
Android (android.graphics.Color)	4294936551 (0xFFFF87E7)
YUV	181.8240, 24.2438, 64.1754
Hunter-Lab	66.6014, 55.8566, -25.3041

Details

The Yxy color **44.3575, 0.3395, 0.2341** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.1688, 0.2946, 0.4485**, and the grayscale version is **46.5296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7416, 0.3157, 0.2663**, and **20.5682, 0.3451, 0.2127** is the 20% darker color. If you saturate the color by 10%, you get **37.7920, 0.3470, 0.2168**, and if you desaturate by 10%, it is **52.6391, 0.3325, 0.2535**.

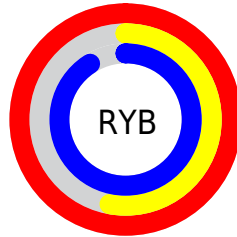
Distribution



Red (100%)

Green (53%)

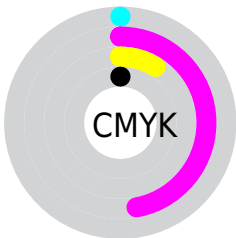
Blue (91%)



Red (100%)

Yellow (53%)

Blue (91%)

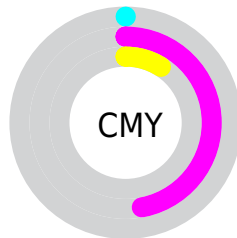


Cyan (0%)

Magenta (47%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.3575, 0.3395, 0.2341 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 44.3575, 0.3395, 0.2341 by changing the saturation by 10% instead.


 44.3575, 0.3395,
0.2341


 44.3575, 0.3395,
0.2341

364.1651, 0.3278,
0.2777


 30.9517, 0.3419,
0.2243


 81.7554, 0.3356,
0.2491

 20.5620, 0.3448,
0.2124


 106.5163, 0.3341,
0.2550

 12.8042, 0.3483,
0.1975


 135.8310, 0.3327,
0.2600

 7.2939, 0.3524,
0.1785

170.0838, 0.3315,
0.2645

 3.6466, 0.3573,
0.1535

209.6593, 0.3304,
0.2684

 1.4779, 0.3626,
0.1201

254.9417, 0.3295,

 0.2731, 0.3757,

0.2718

0.0522

306.3156, 0.3286,
0.2749

0.0000, 0.3603,
0.0000

0.0000, 0.0000,
0.0000

44.3575, 0.3395,
0.2341

44.3575, 0.3395,
0.2341

37.7920, 0.3470,
0.2168

52.6391, 0.3325,
0.2535

32.8127, 0.3549,
0.2027

62.7422, 0.3262,
0.2740

29.2814, 0.3628,
0.1927

74.7707, 0.3206,
0.2947

27.0330, 0.3706,
0.1873

88.8192, 0.3157,
0.3151

■ 25.8569, 0.3781,
0.1865

99.9986, 0.3127,
0.3290

■ 25.6215, 0.3802,
0.1868

Harmonies

Analogous

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



44.3575, 0.2522, 0.2029



44.3575, 0.3395, 0.2341



44.3575, 0.4308, 0.2842

Triad

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



44.3575, 0.3395, 0.2341



44.3575, 0.4316, 0.4692



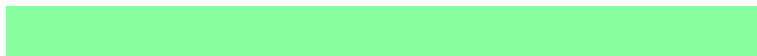
44.3575, 0.1654, 0.2740

Complementary

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



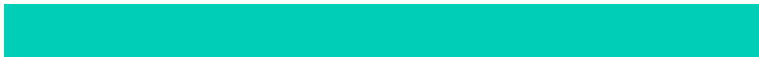
44.3575, 0.3395, 0.2341



79.1688, 0.2946, 0.4485

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.



44.3575, 0.2005, 0.3668



44.3575, 0.3395, 0.2341



44.3575, 0.3530, 0.4987

Square

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



44.3575, 0.3395, 0.2341



44.3575, 0.4833, 0.4095



44.3575, 0.2683, 0.4617



44.3575, 0.1635, 0.2173

Rectangle

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



44.3575, 0.3395, 0.2341



44.3575, 0.4739, 0.3240



44.3575, 0.2683, 0.4617



44.3575, 0.1732, 0.3016

Sweetspot

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



44.3596, 0.3395, 0.2341



78.8490, 0.3191, 0.3010



31.7177, 0.2377, 0.1856



16.2569, 0.3202, 0.2966



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.



44.3596, 0.3395, 0.2341



38.4100, 0.3462, 0.2185



41.6055, 0.4001, 0.2898



18.2345, 0.3169, 0.3102



13.4106, 0.3791, 0.1862



1.3208, 0.3712, 0.1818

Inverse Universe

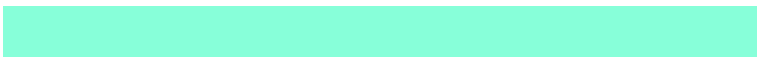
The Inverse Universe completely reimagines the original color for something new.



44.3596, 0.3395, 0.2341



38.4100, 0.3462, 0.2185



81.6762, 0.2670, 0.3742



18.2345, 0.3169, 0.3102



13.4106, 0.3791, 0.1862



1.3208, 0.3712, 0.1818

Previews

White Background



This preview shows how the Yxy color 44.3575, 0.3395, 0.2341 looks on a white background.

Color Contrast Check

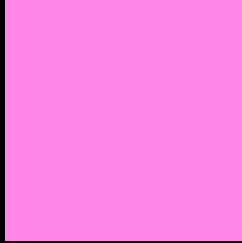
Large Text (above 18pt) WCAG AA × Fail

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 44.3575, 0.3395, 0.2341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

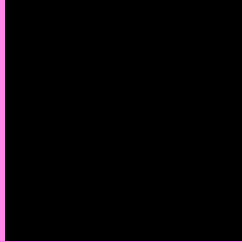
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.3575, 0.3395, 0.2341

Background



This preview shows how black text looks on a background with the Yxy color 44.3575, 0.3395, 0.2341.

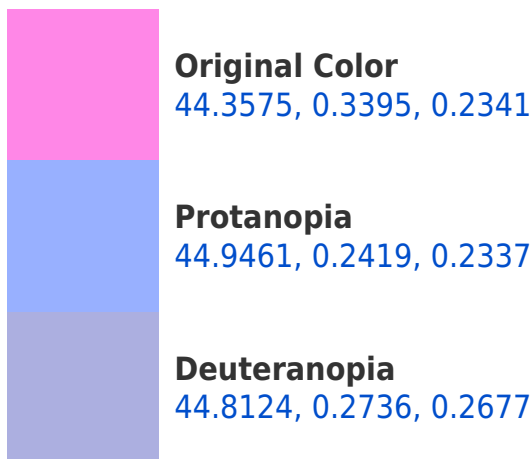


This preview shows how white text looks on a background with the Yxy color 44.3575, 0.3395, 0.2341.

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





Tritanopia

44.1601, 0.4002, 0.3173

Trichromacy



Original Color

44.3575, 0.3395, 0.2341



Protanomaly

42.9624, 0.2706, 0.2308



Deuteranomaly

43.2442, 0.2947, 0.2509



Tritanomaly

44.1200, 0.3783, 0.2857

Monochromacy



Original Color

44.3575, 0.3395, 0.2341



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

44.6357, 0.3228, 0.2872

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.3575, 0.3395, 0.2341 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, 135, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 231)  
}
```

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, 135, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 231) }
```

Border

The CSS property to change the border of an element to Yxy 44.3575, 0.3395, 0.2341 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, 135, 231) }
```

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

```
.border{ border-color:rgb(255, 135, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 135, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 44.3575, 0.3395, 0.2341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 231) }
```

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

```
.background{ background-color: rgb(255,  
135, 231) }
```

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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