

Converting Colors

$Y_{xy}(41.7517, 0.2906, 0.1726)$

Have a look what the booklet for
Yxy(41.7517, 0.2906, 0.1726)
contains.

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Color

Yxy(39.4427, 0.3181, 0.1945)

Conversions

Conversions Part 1

Format	Color
Hex	FE6EFF
RGB	254, 110, 255
RGB Percent	100%, 43%, 100%
CMY	0.0038, 0.5687, 0.0000
CMYK	0.00, 0.57, 0.00, 0.00
HSL	300°, 100%, 72%
HSV	300°, 57%, 100%
XYZ	64.5076, 39.4427, 98.8400
YIQ	169.5860, 39.2790, 75.6230

Conversions

Conversions Part 2

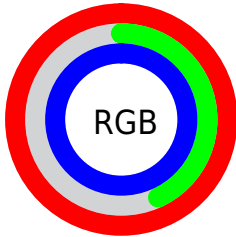
Format	Color
R _{YB}	254, 110, 255
Decimal	16674559
CIE Lab	69.07, 72.72, -46.98
CIE LCh	69, 86.571, 327.136
Yxy	39.4427, 0.3181, 0.1945
Android (android.graphics.Color)	4294864639 (0xFFFE6EFF)
YUV	169.5860, 42.1091, 74.0311
Hunter-Lab	62.8034, 73.4375, -49.3481

Details

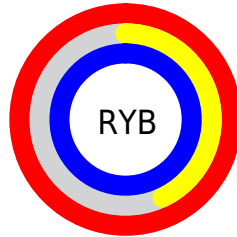
The Yxy color **39.4427, 0.3181, 0.1945** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **76.0222, 0.3045, 0.5130**, and the grayscale version is **39.7515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.4853, 0.3167, 0.2441**, and **17.6605, 0.3153, 0.1663** is the 20% darker color. If you saturate the color by 10%, you get **34.6784, 0.3187, 0.1780**, and if you desaturate by 10%, it is **45.7902, 0.3174, 0.2146**.

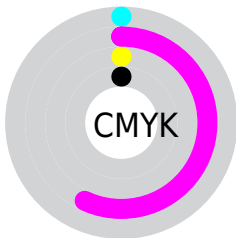
Distribution



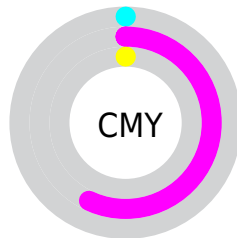
- Red (100%)
- Green (43%)
- Blue (100%)



- Red (100%)
- Yellow (43%)
- Blue (100%)



- Cyan (0%)
- Magenta (57%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (57%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.4427, 0.3181, 0.1945 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 39.4427, 0.3181, 0.1945 by changing the saturation by 10% instead.


 39.4427, 0.3181,
0.1945


 39.4427, 0.3181,
0.1945


343.7690, 0.3185,
0.2543


 27.1043, 0.3173,
0.1817


 74.3141, 0.3188,
0.2146

 17.6516, 0.3159,
0.1665


 97.6159, 0.3189,
0.2226

 10.7001, 0.3137,
0.1480


 125.3410, 0.3189,
0.2296

 5.8656, 0.3097,
0.1255

157.8737, 0.3189,
0.2357

 2.7635, 0.3028,
0.0981

195.5985, 0.3188,
0.2411

 1.0095, 0.2900,
0.0652

238.8997, 0.3187,

 0.0000, 0.2729,

0.2460

0.0000

288.1617, 0.3186,
0.2503

■ 0.0000, 0.2098,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.4427, 0.3181,
0.1945

■ 39.4427, 0.3181,
0.1945

■ 34.6784, 0.3187,
0.1780

■ 45.7902, 0.3174,
0.2146

■ 31.3563, 0.3191,
0.1657

■ 53.8433, 0.3165,
0.2373

■ 29.3126, 0.3192,
0.1578

■ 63.7136, 0.3155,
0.2618

■ 28.3389, 0.3192,
0.1539

■ 75.5028, 0.3145,
0.2870

■ 28.1555, 0.3192,
0.1532

■ 89.3052, 0.3134,
0.3122

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



39.4427, 0.2099, 0.1625



39.4427, 0.3181, 0.1945



39.4427, 0.4505, 0.2511

Triad

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



39.4427, 0.3181, 0.1945



39.4427, 0.4780, 0.4855



39.4427, 0.1268, 0.2707

Complementary

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



39.4427, 0.3181, 0.1945



76.0222, 0.3045, 0.5130

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.



39.4427, 0.1753, 0.4133



39.4427, 0.3181, 0.1945



39.4427, 0.3769, 0.5581

Square

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



39.4427, 0.3181, 0.1945



39.4427, 0.5449, 0.3993



39.4427, 0.2674, 0.5460



39.4427, 0.1195, 0.1896

Rectangle

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



39.4427, 0.3181, 0.1945



39.4427, 0.5202, 0.2973



39.4427, 0.2674, 0.5460



39.4427, 0.1378, 0.3122

Sweetspot

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



39.4430, 0.3181, 0.1945



75.3368, 0.3145, 0.2867



22.2103, 0.2023, 0.1482



15.5854, 0.3147, 0.2816



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.



39.4430, 0.3181, 0.1945



34.2335, 0.3187, 0.1764



35.9068, 0.3932, 0.2541



18.2938, 0.3137, 0.3056



14.7147, 0.3192, 0.1532



1.4347, 0.3194, 0.1533

Inverse Universe

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



33.5547, 0.4865, 0.3286



27.8554, 0.5403, 0.3287



78.1321, 0.2738, 0.4242



17.9891, 0.3294, 0.3289



11.1116, 0.6394, 0.3296



1.0826, 0.6377, 0.3287

Previews

White Background



This preview shows how the Yxy color 39.4427, 0.3181, 0.1945 looks on a white background.

Color Contrast Check

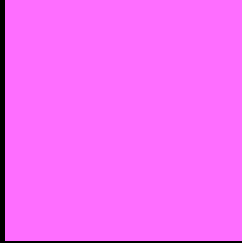
Large Text (above 18pt) WCAG AA × Fail

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 39.4427, 0.3181, 0.1945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

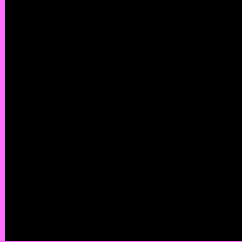
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.4427, 0.3181, 0.1945

Background



This preview shows how black text looks on a background with the Yxy color 39.4427, 0.3181, 0.1945.



This preview shows how white text looks on a background with the Yxy color 39.4427, 0.3181, 0.1945.

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

39.4427, 0.3181, 0.1945

Protanopia

39.7267, 0.2303, 0.2187

Deuteranopia

39.6333, 0.2367, 0.2300



Tritanopia

39.0477, 0.4125, 0.3171

Trichromacy



Original Color

39.4427, 0.3181, 0.1945



Protanomaly

37.3615, 0.2555, 0.2035



Deuteranomaly

37.1006, 0.2601, 0.2088

Tritanomaly

38.6620, 0.3763, 0.2655

Monochromacy



Original Color

39.4427, 0.3181, 0.1945



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

37.8144, 0.3158, 0.2641

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.4427, 0.3181, 0.1945 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(254, 110, 255)` looks like.

```
.text, #text, p{  
    color:rgb(254, 110, 255)  
}
```

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(254, 110, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 110, 255) }
```

Border

The CSS property to change the border of an element to Yxy 39.4427, 0.3181, 0.1945 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(254, 110, 255) }
```

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

```
.border{ border-color:rgb(254, 110, 255) }
```

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

Here you see how a box with a 4 pixel rgb(254, 110, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 110, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 110, 255);  
box-shadow:4px 4px 4px 4px rgb(254, 110,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 39.4427, 0.3181, 0.1945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 110, 255) }
```

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

```
.background{ background-color: rgb(254,  
110, 255) }
```

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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