

Converting Colors

$Yxy(39.3592, 0.3191, 0.1940)$

Have a look what the booklet for
Yxy(39.3592, 0.3191, 0.1940)
contains.

Yxy(39.4173, 0.3190, 0.1942)	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(39.4173, 0.3190, 0.1942)

Conversions

Conversions Part 1

Format	Color
Hex	FF6DFF
RGB	255, 109, 255
RGB Percent	100%, 43%, 100%
CMY	0.0002, 0.5724, 0.0000
CMYK	0.00, 0.57, 0.00, 0.00
HSL	300°, 100%, 71%
HSV	300°, 57%, 100%
XYZ	64.7483, 39.4173, 98.8071
YIQ	169.2980, 40.1500, 76.3580

Conversions

Conversions Part 2

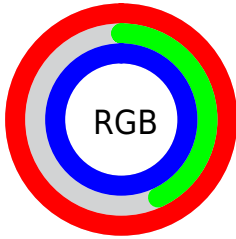
Format	Color
R _Y B	255, 109, 255
Decimal	16739839
CIE Lab	69.05, 73.34, -46.99
CIE LCh	69, 87.102, 327.353
Yxy	39.4173, 0.3190, 0.1942
Android (android.graphics.Color)	4294929919 (0xFFFF6DFF)
YUV	169.2980, 42.2511, 75.1607
Hunter-Lab	62.7832, 74.2164, -49.3613

Details

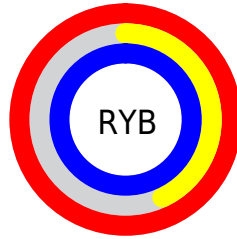
The Yxy color **39.4173, 0.3190, 0.1942** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **75.8813, 0.3040, 0.5145**, and the grayscale version is **39.6093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1174, 0.3167, 0.2431**, and **17.6333, 0.3166, 0.1658** is the 20% darker color. If you saturate the color by 10%, you get **34.7411, 0.3198, 0.1780**, and if you desaturate by 10%, it is **45.6741, 0.3181, 0.2140**.

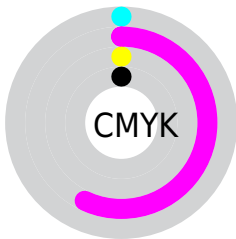
Distribution



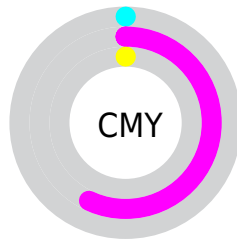
- Red (100%)
- Green (43%)
- Blue (100%)



- 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 39.4173, 0.3190, 0.1942 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 39.4173, 0.3190, 0.1942 by changing the saturation by 10% instead.

 39.4173, 0.3190,
0.1942


 39.4173, 0.3190,
0.1942


343.6614, 0.3190,
0.2541

 27.0845, 0.3183,
0.1814


 74.2754, 0.3196,
0.2143

 17.6367, 0.3171,
0.1661


 97.5695, 0.3196,
0.2223

 10.6895, 0.3149,
0.1477


 125.2861, 0.3196,
0.2293

 5.8584, 0.3112,
0.1252

157.8097, 0.3195,
0.2355

 2.7592, 0.3045,
0.0978

195.5246, 0.3194,
0.2409

 1.0073, 0.2920,
0.0649

238.8153, 0.3193,

 0.0000, 0.2755,

0.2458

0.0000

288.0661, 0.3191,
0.2501

■ 0.0000, 0.2135,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.4173, 0.3190,
0.1942

■ 39.4173, 0.3190,
0.1942

■ 34.7411, 0.3198,
0.1780

■ 45.6741, 0.3181,
0.2140

■ 31.5004, 0.3203,
0.1660


■ 53.6311, 0.3170,
0.2366


■ 29.5313, 0.3207,
0.1584

■ 63.4013, 0.3159,
0.2610

■ 28.6205, 0.3208,
0.1547

■ 75.0867, 0.3147,
0.2861

 28.4673, 0.3209,
0.1541

 88.7820, 0.3135,
0.3112

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.



39.4173, 0.2099, 0.1619



39.4173, 0.3190, 0.1942



39.4173, 0.4522, 0.2512

Triad

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



39.4173, 0.3190, 0.1942



39.4173, 0.4778, 0.4865



39.4173, 0.1257, 0.2694

Complementary

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



39.4173, 0.3190, 0.1942



75.8813, 0.3040, 0.5145

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.



39.4173, 0.1740, 0.4127



39.4173, 0.3190, 0.1942



39.4173, 0.3761, 0.5597

Square

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



39.4173, 0.3190, 0.1942



39.4173, 0.5457, 0.3999



39.4173, 0.2661, 0.5470



39.4173, 0.1187, 0.1885

Rectangle

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



39.4173, 0.3190, 0.1942



39.4173, 0.5220, 0.2975



39.4173, 0.2661, 0.5470



39.4173, 0.1366, 0.3110

Sweetspot

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



39.4188, 0.3190, 0.1942



75.3900, 0.3147, 0.2867



21.9463, 0.2016, 0.1470



15.5981, 0.3149, 0.2817



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.



39.4188, 0.3190, 0.1942



34.0704, 0.3199, 0.1756



35.6858, 0.3939, 0.2537



18.3002, 0.3138, 0.3056



14.8749, 0.3209, 0.1541



1.4484, 0.3209, 0.1541

Inverse Universe

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



33.3119, 0.4894, 0.3295



27.4251, 0.5464, 0.3297



78.0523, 0.2736, 0.4249



17.9872, 0.3295, 0.3290



11.1089, 0.6400, 0.3300



1.0817, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 39.4173, 0.3190, 0.1942 looks on a white background.

Color Contrast Check

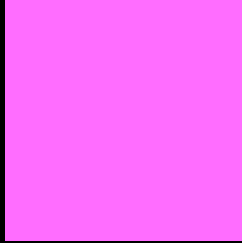
Large Text (above 18pt) WCAG AA × Fail

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 39.4173, 0.3190, 0.1942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

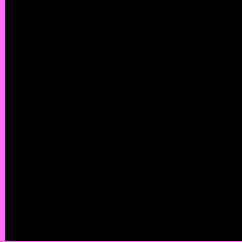
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.4173, 0.3190, 0.1942

Background



This preview shows how black text looks on a background with the Yxy color 39.4173, 0.3190, 0.1942.



This preview shows how white text looks on a background with the Yxy color 39.4173, 0.3190, 0.1942.

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

39.4173, 0.3190, 0.1942

Protanopia

39.7267, 0.2303, 0.2187

Deuteranopia

39.6333, 0.2367, 0.2300



Tritanopia

39.1923, 0.4146, 0.3183

Trichromacy



Original Color

39.4173, 0.3190, 0.1942



Protanomaly

37.0545, 0.2554, 0.2024



Deuteranomaly

37.2211, 0.2608, 0.2091

Tritanomaly

38.5408, 0.3787, 0.2658

Monochromacy



Original Color

39.4173, 0.3190, 0.1942



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

37.3169, 0.3158, 0.2637

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.4173, 0.3190, 0.1942 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, 109, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 109, 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(255, 109, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 109, 255) }
```

Border

The CSS property to change the border of an element to Yxy 39.4173, 0.3190, 0.1942 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, 109, 255) }
```

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

```
.border{ border-color:rgb(255, 109, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 109, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 109, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 109, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 109,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 39.4173, 0.3190, 0.1942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 109, 255) }
```

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

```
.background{ background-color: rgb(255,  
109, 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](#).

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