

Converting Colors

$Y_{xy}(49.0840, 0.4374, 0.2853)$

Have a look what the booklet for
Yxy(49.0840, 0.4374, 0.2853)
contains.

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Color

Yxy(39.6531, 0.3968, 0.2767)

Conversions

Conversions Part 1

Format	Color
Hex	FF7FB2
RGB	255, 127, 178
RGB Percent	100%, 50%, 70%
CMY	0.0000, 0.5019, 0.3019
CMYK	0.00, 0.50, 0.30, 0.00
HSL	336°, 100%, 75%
HSV	336°, 50%, 100%
XYZ	56.8643, 39.6531, 46.7898
YIQ	171.0860, 59.9170, 42.9970

Conversions

Conversions Part 2

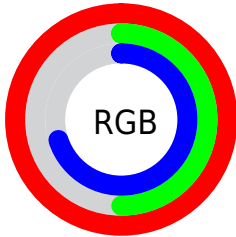
Format	Color
R _Y B	255, 127, 178
Decimal	16744370
CIE Lab	69.22, 53.98, -3.99
CIE LCh	69, 54.124, 355.772
Yxy	39.6531, 0.3968, 0.2767
Android (android.graphics.Color)	4294934450 (0xFFFF7FB2)
YUV	171.0860, 3.4086, 73.5926
Hunter-Lab	62.9707, 50.9917, 0.0246

Details

The Yxy color **39.6531, 0.3968, 0.2767** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **80.3844, 0.2696, 0.3912**, and the grayscale version is **40.7327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0675, 0.3321, 0.2777**, and **17.7175, 0.4222, 0.2622** is the 20% darker color. If you saturate the color by 10%, you get **33.2985, 0.4236, 0.2686**, and if you desaturate by 10%, it is **47.7469, 0.3735, 0.2867**.

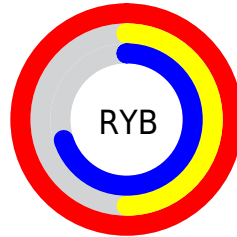
Distribution



Red (100%)

Green (50%)

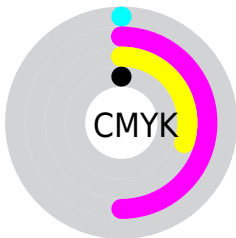
Blue (70%)



Red (100%)

Yellow (50%)

Blue (70%)

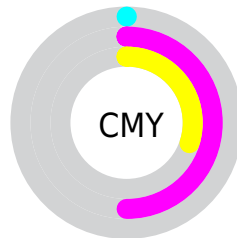


Cyan (0%)

Magenta (50%)

Yellow (30%)

Black (0%)



Cyan (0%)


Magenta (50%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.6531, 0.3968, 0.2767 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 39.6531, 0.3968, 0.2767 by changing the saturation by 10% instead.

 39.6531, 0.3968,
0.2767


 39.6531, 0.3968,
0.2767


344.6593, 0.3541,
0.3029

 27.2682, 0.4076,
0.2702


 74.6350, 0.3812,
0.2862

 17.7747, 0.4216,
0.2619


 98.0007, 0.3753,
0.2898

 10.7884, 0.4402,
0.2509

 125.7955, 0.3704,
0.2928

 5.9247, 0.4663,
0.2356

158.4038, 0.3662,
0.2954

 2.7994, 0.5053,
0.2134

196.2099, 0.3626,
0.2976

 1.0279, 0.5686,
0.1785

239.5982, 0.3594,

 0.0000, 0.8753,

0.2996

0.0000

288.9532, 0.3566,
0.3013

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.6531, 0.3968,
0.2767

■ 39.6531, 0.3968,
0.2767

■ 33.2985, 0.4236,
0.2686

■ 47.7469, 0.3735,
0.2867

■ 28.5465, 0.4534,
0.2635

■ 57.6908, 0.3538,
0.2974

■ 25.2500, 0.4847,
0.2628

■ 69.5937, 0.3374,
0.3083

■ 23.2309, 0.5155,
0.2674

■ 83.5541, 0.3240,
0.3189

■ 22.2102, 0.5432,
0.2766

99.6638, 0.3129,
0.3288

99.9979, 0.3127,
0.3290

Harmonies

Analogous

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



39.6531, 0.3152, 0.2349



39.6531, 0.3968, 0.2767



39.6531, 0.4564, 0.3304

Triad

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



39.6531, 0.3968, 0.2767



39.6531, 0.3703, 0.4752



39.6531, 0.1766, 0.2409

Complementary

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



39.6531, 0.3968, 0.2767



80.3844, 0.2696, 0.3912

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.



39.6531, 0.1868, 0.3012



39.6531, 0.3968, 0.2767



39.6531, 0.2944, 0.4574

Square

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



39.6531, 0.3968, 0.2767



39.6531, 0.4349, 0.4430



39.6531, 0.2276, 0.3857



39.6531, 0.1956, 0.2126

Rectangle

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



39.6531, 0.3968, 0.2767



39.6531, 0.4706, 0.3692



39.6531, 0.2276, 0.3857



39.6531, 0.1767, 0.2574

Sweetspot

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



39.6551, 0.3968, 0.2767



76.5830, 0.3301, 0.3138



35.2099, 0.2737, 0.1909



15.7703, 0.3330, 0.3116



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.



39.6551, 0.3968, 0.2767



33.4067, 0.4231, 0.2687



41.4910, 0.4492, 0.3425



18.1070, 0.3231, 0.3196



11.6339, 0.5390, 0.2743



1.1536, 0.5088, 0.2576

Inverse Universe

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



39.6551, 0.3968, 0.2767



33.4067, 0.4231, 0.2687



75.3504, 0.2442, 0.3139



18.1070, 0.3231, 0.3196



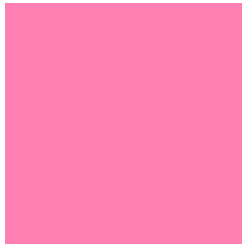
11.6339, 0.5390, 0.2743



1.1536, 0.5088, 0.2576

Previews

White Background



This preview shows how the Yxy color 39.6531, 0.3968, 0.2767 looks on a white background.

Color Contrast Check

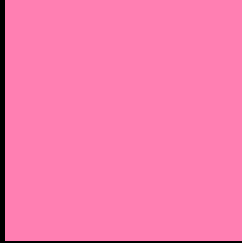
Large Text (above 18pt) WCAG AA × Fail

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 39.6531, 0.3968, 0.2767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

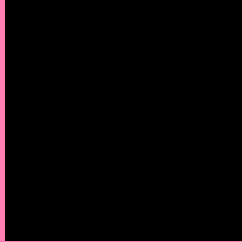
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.6531, 0.3968, 0.2767

Background



This preview shows how black text looks on a background with the Yxy color 39.6531, 0.3968, 0.2767.



This preview shows how white text looks on a background with the Yxy color 39.6531, 0.3968, 0.2767.

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

39.6531, 0.3968, 0.2767

Protanopia

40.0463, 0.2791, 0.2808

Deuteranopia

39.8438, 0.3255, 0.3184



Tritanopia

39.7288, 0.4318, 0.3199

Trichromacy



Original Color

39.6531, 0.3968, 0.2767



Protanomaly

38.4584, 0.3161, 0.2763



Deuteranomaly

38.8908, 0.3501, 0.3007



Tritanomaly

39.5155, 0.4191, 0.3032

Monochromacy



Original Color

39.6531, 0.3968, 0.2767



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

39.0552, 0.3414, 0.3050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.6531, 0.3968, 0.2767 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, 127, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 127, 178)  
}
```

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, 127, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 127, 178) }
```

Border

The CSS property to change the border of an element to Yxy 39.6531, 0.3968, 0.2767 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, 127, 178) }
```

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

```
.border{ border-color:rgb(255, 127, 178) }
```

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

Here you see how a box with a 4 pixel rgb(255, 127, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 127, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 127, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 127,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 39.6531, 0.3968, 0.2767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 127, 178) }
```

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

```
.background{ background-color: rgb(255,  
127, 178) }
```

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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