

Converting Colors

$Y_{xy}(40.3724, 0.3815, 0.2556)$

Have a look what the booklet for
Yxy(40.3724, 0.3815, 0.2556)
contains.

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Color

Yxy(39.4571, 0.3762, 0.2542)

Conversions

Conversions Part 1

Format	Color
Hex	FF7BC5
RGB	255, 123, 197
RGB Percent	100%, 48%, 77%
CMY	0.0001, 0.5175, 0.2274
CMYK	0.00, 0.52, 0.23, 0.00
HSL	326°, 100%, 74%
HSV	326°, 52%, 100%
XYZ	58.3940, 39.4571, 57.3696
YIQ	170.9040, 54.9180, 50.9980

Conversions

Conversions Part 2

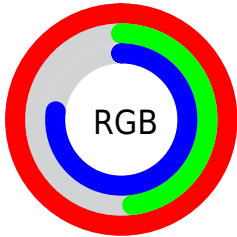
Format	Color
R_{YB}	255, 123, 197
Decimal	16743365
CIE _{Lab}	69.08, 58.33, -14.84
CIE _{LCh}	69, 60.187, 345.721
Yxy	39.4571, 0.3762, 0.2542
Android (android.graphics.Color)	4294933445 (0xFFFF7BC5)
YUV	170.9040, 12.8653, 73.7522
Hunter-Lab	62.8149, 56.0113, -10.1798

Details

The Yxy color **39.4571, 0.3762, 0.2542** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **79.0498, 0.2787, 0.4215**, and the grayscale version is **40.5915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6560, 0.3170, 0.2555**, and **17.5996, 0.3935, 0.2350** is the 20% darker color. If you saturate the color by 10%, you get **33.4395, 0.3948, 0.2427**, and if you desaturate by 10%, it is **47.1638, 0.3596, 0.2679**.

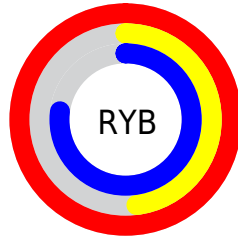
Distribution



Red (100%)

Green (48%)

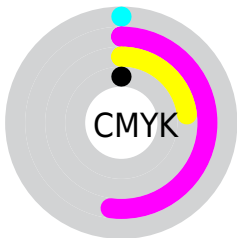
Blue (77%)



Red (100%)

Yellow (48%)

Blue (77%)

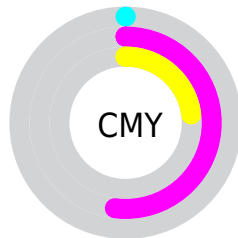


Cyan (0%)

Magenta (52%)

Yellow (23%)

Black (0%)



Cyan (0%)


Magenta (52%)

Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.4571, 0.3762, 0.2542 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 39.4571, 0.3762, 0.2542 by changing the saturation by 10% instead.

 39.4571, 0.3762,
0.2542


 39.4571, 0.3762,
0.2542


343.8300, 0.3449,
0.2902


 27.1155, 0.3839,
0.2457


 74.3361, 0.3649,
0.2670

 17.6600, 0.3936,
0.2350


 97.6423, 0.3607,
0.2718

 10.7062, 0.4064,
0.2212


 125.3721, 0.3570,
0.2760

 5.8696, 0.4239,
0.2029

157.9100, 0.3539,
0.2796

 2.7660, 0.4490,
0.1775

195.6404, 0.3512,
0.2828

 1.0108, 0.4880,
0.1407

238.9475, 0.3488,

 0.0000, 0.6061,

0.2855

0.0000

288.2160, 0.3467,
0.2880

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

39.4571, 0.3762,
0.2542

39.4571, 0.3762,
0.2542

33.4395, 0.3948,
0.2427

47.1638, 0.3596,
0.2679

28.9735, 0.4151,
0.2347

56.6712, 0.3452,
0.2827

25.9098, 0.4362,
0.2312

68.0881, 0.3330,
0.2978

24.0663, 0.4572,
0.2332

81.5129, 0.3227,
0.3125

■ 23.2368, 0.4739,
0.2385

■ 97.0374, 0.3141,
0.3266

99.9944, 0.3127,
0.3290

Harmonies

Analogous

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



39.4571, 0.2856, 0.2153



39.4571, 0.3762, 0.2542



39.4571, 0.4555, 0.3086

Triad

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



39.4571, 0.3762, 0.2542



39.4571, 0.4005, 0.4830



39.4571, 0.1642, 0.2489

Complementary

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



39.4571, 0.3762, 0.2542



79.0498, 0.2787, 0.4215

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.



39.4571, 0.1854, 0.3267



39.4571, 0.3762, 0.2542



39.4571, 0.3188, 0.4881

Square

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



39.4571, 0.3762, 0.2542



39.4571, 0.4638, 0.4332



39.4571, 0.2399, 0.4245



39.4571, 0.1745, 0.2078

Rectangle

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



39.4571, 0.3762, 0.2542



39.4571, 0.4833, 0.3494



39.4571, 0.2399, 0.4245



39.4571, 0.1676, 0.2708

Sweetspot

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



39.4590, 0.3762, 0.2542



75.5734, 0.3268, 0.3063



31.1185, 0.2538, 0.1795



15.5869, 0.3289, 0.3033



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.



39.4590, 0.3762, 0.2542



33.3171, 0.3953, 0.2425



37.0883, 0.4534, 0.3205



18.1577, 0.3206, 0.3158



12.1755, 0.4707, 0.2367



1.2075, 0.4489, 0.2246

Inverse Universe

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



39.4590, 0.3762, 0.2542



33.3171, 0.3953, 0.2425



82.3788, 0.2493, 0.3390



18.1577, 0.3206, 0.3158



12.1755, 0.4707, 0.2367



1.2075, 0.4489, 0.2246

Previews

White Background



This preview shows how the Yxy color 39.4571, 0.3762, 0.2542 looks on a white background.

Color Contrast Check

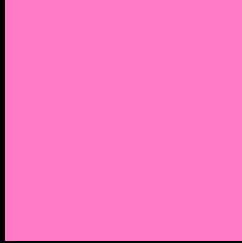
Large Text (above 18pt) WCAG AA × Fail

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 39.4571, 0.3762, 0.2542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

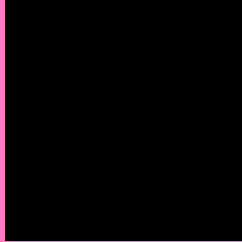
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.4571, 0.3762, 0.2542

Background



This preview shows how black text looks on a background with the Yxy color 39.4571, 0.3762, 0.2542.



This preview shows how white text looks on a background with the Yxy color 39.4571, 0.3762, 0.2542.

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

39.4571, 0.3762, 0.2542

Protanopia

39.9143, 0.2554, 0.2500

Deuteranopia

39.7419, 0.3008, 0.2956



Tritanopia

39.3878, 0.4288, 0.3188

Trichromacy



Original Color

39.4571, 0.3762, 0.2542



Protanomaly

37.9618, 0.2910, 0.2479



Deuteranomaly

38.5003, 0.3259, 0.2761



Tritanomaly

39.3051, 0.4103, 0.2947

Monochromacy



Original Color

39.4571, 0.3762, 0.2542



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

38.9630, 0.3358, 0.2963

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.4571, 0.3762, 0.2542 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, 123, 197)` looks like.

```
.text, #text, p{  
    color:rgb(255, 123, 197)  
}
```

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, 123, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 123, 197) }
```

Border

The CSS property to change the border of an element to Yxy 39.4571, 0.3762, 0.2542 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, 123, 197) }
```

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

```
.border{ border-color:rgb(255, 123, 197) }
```

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

Here you see how a box with a 4 pixel rgb(255, 123, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 123, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 123, 197);  
box-shadow:4px 4px 4px 4px rgb(255, 123,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 39.4571, 0.3762, 0.2542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 123, 197) }
```

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

```
.background{ background-color: rgb(255,  
123, 197) }
```

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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