

Converting Colors

$Y_{xy}(79.9784, 0.4567, 0.2871)$

Have a look what the booklet for
Yxy(79.9784, 0.4567, 0.2871)
contains.

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Color

Yxy(47.2439, 0.3551, 0.2628)

Conversions

Conversions Part 1

Format	Color
Hex	FF94D5
RGB	255, 148, 213
RGB Percent	100%, 58%, 84%
CMY	0.0000, 0.4196, 0.1648
CMYK	0.00, 0.42, 0.16, 0.00
HSL	324°, 100%, 79%
HSV	324°, 42%, 100%
XYZ	63.8368, 47.2439, 68.6906
YIQ	187.4030, 42.9070, 42.8990

Conversions

Conversions Part 2

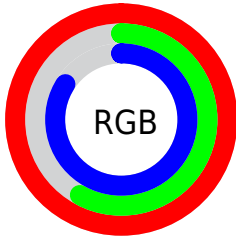
Format	Color
R_{YB}	255, 148, 213
Decimal	16749781
CIE _{Lab}	74.35, 48.45, -15.76
CIE _{LCh}	74, 50.952, 341.979
Yxy	47.2439, 0.3551, 0.2628
Android (android.graphics.Color)	4294939861 (0xFFFF94D5)
YUV	187.4030, 12.6193, 59.2826
Hunter-Lab	68.7342, 45.4968, -11.1385

Details

The Yxy color $47.2439, 0.3551, 0.2628$ is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be $81.5340, 0.2860, 0.4071$, and the grayscale version is $49.8442, 0.3127, 0.3290$.

A 20% lighter version of the original color is $71.6657, 0.3151, 0.2792$, and $22.2098, 0.3658, 0.2466$ is the 20% darker color. If you saturate the color by 10%, you get $39.6148, 0.3698, 0.2481$, and if you desaturate by 10%, it is $56.6707, 0.3423, 0.2787$.

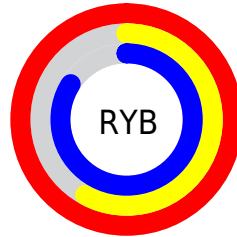
Distribution



Red (100%)

Green (58%)

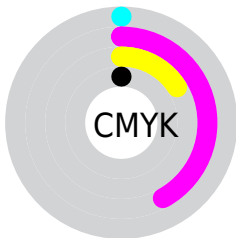
Blue (84%)



Red (100%)

Yellow (58%)

Blue (84%)

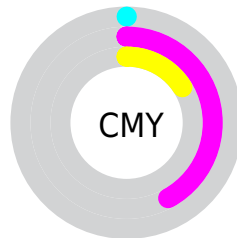


Cyan (0%)

Magenta (42%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (42%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.2439, 0.3551, 0.2628 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 47.2439, 0.3551, 0.2628 by changing the saturation by 10% instead.


 47.2439, 0.3551,
0.2628

 47.2439, 0.3551,
0.2628


375.7872, 0.3349,
0.2939

 33.2285, 0.3598,
0.2556


 86.0776, 0.3480,
0.2737

 22.3016, 0.3658,
0.2467


 111.6646, 0.3452,
0.2779

 14.0786, 0.3734,
0.2353


141.8777, 0.3429,
0.2815

 8.1754, 0.3836,
0.2205

177.1012, 0.3409,
0.2846

 4.2074, 0.3977,
0.2002

217.7195, 0.3391,
0.2874

 1.7902, 0.4185,
0.1711

264.1170, 0.3375,

 0.4811, 0.4581,

0.2898

0.1149

316.6781, 0.3361,
0.2920

0.0000, 0.5830,
0.0000

0.0000, 0.0000,
0.0000

47.2439, 0.3551,
0.2628

47.2439, 0.3551,
0.2628

39.6148, 0.3698,
0.2481

56.6707, 0.3423,
0.2787

33.6592, 0.3861,
0.2357

67.9954, 0.3312,
0.2949

29.2476, 0.4037,
0.2268

81.3185, 0.3219,
0.3108

26.2284, 0.4219,
0.2224

96.7318, 0.3141,
0.3261

■ 24.4189, 0.4401,
0.2234

99.9994, 0.3127,
0.3290

■ 23.6208, 0.4542,
0.2276

Harmonies

Analogous

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



47.2439, 0.2833, 0.2318



47.2439, 0.3551, 0.2628



47.2439, 0.4203, 0.3081

Triad

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



47.2439, 0.3551, 0.2628



47.2439, 0.3946, 0.4510



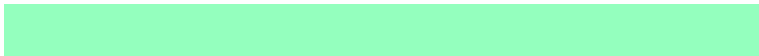
47.2439, 0.1905, 0.2724

Complementary

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



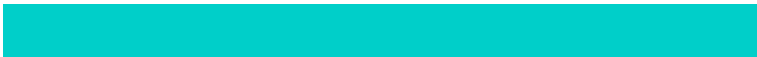
47.2439, 0.3551, 0.2628



81.5340, 0.2860, 0.4071

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.



47.2439, 0.2132, 0.3383



47.2439, 0.3551, 0.2628



47.2439, 0.3291, 0.4558

Square

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



47.2439, 0.3551, 0.2628



47.2439, 0.4412, 0.4121



47.2439, 0.2627, 0.4118



47.2439, 0.1956, 0.2329

Rectangle

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



47.2439, 0.3551, 0.2628



47.2439, 0.4466, 0.3426



47.2439, 0.2627, 0.4118



47.2439, 0.1949, 0.2919

Sweetspot

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



47.2461, 0.3551, 0.2628



79.8325, 0.3228, 0.3092



39.2253, 0.2634, 0.2082



16.4304, 0.3248, 0.3057



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.



47.2461, 0.3551, 0.2628



40.9724, 0.3668, 0.2508



44.9985, 0.4091, 0.3162



18.1724, 0.3199, 0.3147



12.3730, 0.4515, 0.2261



1.2262, 0.4325, 0.2156

Inverse Universe

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



47.2461, 0.3551, 0.2628



40.9724, 0.3668, 0.2508



84.2568, 0.2609, 0.3430



18.1724, 0.3199, 0.3147



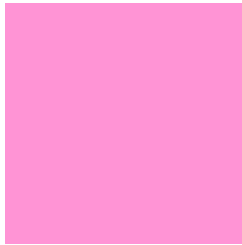
12.3730, 0.4515, 0.2261



1.2262, 0.4325, 0.2156

Previews

White Background



This preview shows how the Yxy color 47.2439, 0.3551, 0.2628 looks on a white background.

Color Contrast Check

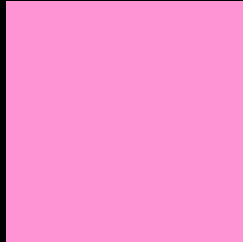
Large Text (above 18pt) WCAG AA × Fail

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 47.2439, 0.3551, 0.2628 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 47.2439, 0.3551, 0.2628

Background



This preview shows how black text looks on a background with the Yxy color 47.2439, 0.3551, 0.2628.



This preview shows how white text looks on a background with the Yxy color 47.2439, 0.3551, 0.2628.

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

47.2439, 0.3551, 0.2628

Protanopia

47.5389, 0.2645, 0.2618

Deuteranopia

47.7414, 0.2994, 0.2932



Tritanopia

47.2651, 0.3932, 0.3174

Trichromacy



Original Color

47.2439, 0.3551, 0.2628



Protanomaly

46.2567, 0.2924, 0.2601



Deuteranomaly

46.9545, 0.3185, 0.2803



Tritanomaly

47.2673, 0.3798, 0.2974

Monochromacy



Original Color

47.2439, 0.3551, 0.2628



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

47.8697, 0.3281, 0.3017

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2439, 0.3551, 0.2628 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, 148, 213)` looks like.

```
.text, #text, p{  
    color:rgb(255, 148, 213)  
}
```

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, 148, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 148, 213) }
```

Border

The CSS property to change the border of an element to Yxy 47.2439, 0.3551, 0.2628 is called "border". The border property can be set on classes, ids or directly on the HTML element.

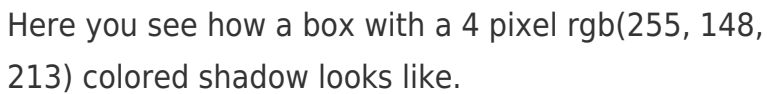
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 148, 213) }
```

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

```
.border{ border-color:rgb(255, 148, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 148, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 148, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 148, 213); box-shadow:4px 4px 4px 4px rgb(255, 148, 213) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2439, 0.3551, 0.2628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 148, 213) }
```

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

```
.background{ background-color: rgb(255,  
148, 213) }
```

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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