

Converting Colors

$Y_{xy}(50.8027, 0.3352, 0.2510)$

Have a look what the booklet for
Yxy(50.8027, 0.3352, 0.2510)
contains.

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Color

Yxy(50.9774, 0.3348, 0.2511)

Conversions

Conversions Part 1

Format	Color
Hex	FF9CEA
RGB	255, 156, 234
RGB Percent	100%, 61%, 92%
CMY	0.0001, 0.3881, 0.0825
CMYK	0.00, 0.39, 0.08, 0.00
HSL	313°, 100%, 81%
HSV	313°, 39%, 100%
XYZ	67.9699, 50.9774, 84.0691
YIQ	194.4930, 33.9660, 45.2460

Conversions

Conversions Part 2

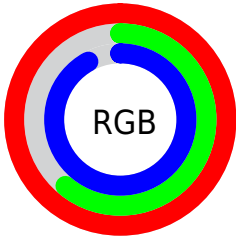
Format	Color
R _Y B	255, 156, 234
Decimal	16751850
CIE Lab	76.67, 47.71, -23.71
CIE LCh	77, 53.274, 333.570
Yxy	50.9774, 0.3348, 0.2511
Android (android.graphics.Color)	4294941930 (0xFFFF9CEA)
YUV	194.4930, 19.4770, 53.0646
Hunter-Lab	71.3985, 44.9810, -19.8329

Details

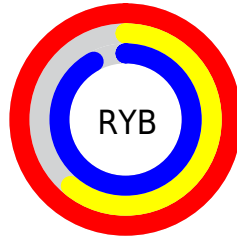
The Yxy color **50.9774, 0.3348, 0.2511** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.7548, 0.2966, 0.4224**, and the grayscale version is **54.1250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5670, 0.3147, 0.2871**, and **24.5874, 0.3399, 0.2333** is the 20% darker color. If you saturate the color by 10%, you get **42.9937, 0.3423, 0.2323**, and if you desaturate by 10%, it is **60.7713, 0.3280, 0.2712**.

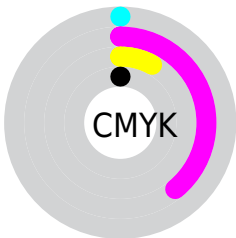
Distribution



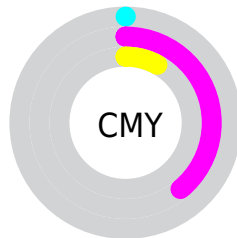
- Red (100%)
- Green (61%)
- Blue (92%)



- Red (100%)
- Yellow (61%)
- Blue (92%)



- Cyan (0%)
- Magenta (39%)
- Yellow (8%)
- Black (0%)



- Cyan (0%)
- Magenta (39%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.9774, 0.3348, 0.2511 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 50.9774, 0.3348, 0.2511 by changing the saturation by 10% instead.


 50.9774, 0.3348,
0.2511

 50.9774, 0.3348,
0.2511


390.4760, 0.3251,
0.2867

 36.1906, 0.3369,
0.2431


 91.6214, 0.3316,
0.2634

 24.5815, 0.3393,
0.2333


 118.2473, 0.3303,
0.2681

 15.7655, 0.3423,
0.2211


149.5885, 0.3291,
0.2723

 9.3584, 0.3460,
0.2054

186.0293, 0.3281,
0.2759

 4.9757, 0.3505,
0.1846

227.9540, 0.3273,
0.2791

 2.2330, 0.3561,
0.1561

275.7471, 0.3265,

 0.7379, 0.3627,

0.2819

0.1145

329.7929, 0.3258,
0.2845

■ 0.0000, 0.3875,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.9774, 0.3348,
0.2511

■ 50.9774, 0.3348,
0.2511

■ 42.9937, 0.3423,
0.2323

■ 60.7713, 0.3280,
0.2712

■ 36.6999, 0.3504,
0.2157

■ 72.4719, 0.3220,
0.2917

■ 31.9721, 0.3588,
0.2024

■ 86.1773, 0.3167,
0.3119

■ 28.6662, 0.3674,
0.1933

99.9966, 0.3127,
0.3290

■ 26.6117, 0.3757,
0.1890

■ 25.5613, 0.3837,
0.1891

■ 25.4651, 0.3846,
0.1893

Harmonies

Analogous

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



50.9774, 0.2645, 0.2248



50.9774, 0.3348, 0.2511



50.9774, 0.4061, 0.2937

Triad

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



50.9774, 0.3348, 0.2511



50.9774, 0.4119, 0.4444



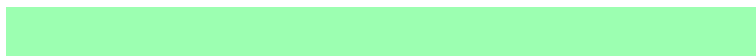
50.9774, 0.1920, 0.2876

Complementary

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



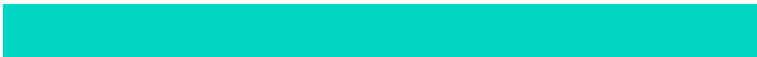
50.9774, 0.3348, 0.2511



81.7548, 0.2966, 0.4224

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.



50.9774, 0.2229, 0.3601



50.9774, 0.3348, 0.2511



50.9774, 0.3488, 0.4618

Square

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



50.9774, 0.3348, 0.2511



50.9774, 0.4510, 0.3991



50.9774, 0.2796, 0.4308



50.9774, 0.1895, 0.2395

Rectangle

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



50.9774, 0.3348, 0.2511



50.9774, 0.4401, 0.3276



50.9774, 0.2796, 0.4308



50.9774, 0.1991, 0.3098

Sweetspot

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



50.9797, 0.3348, 0.2511



81.5950, 0.3183, 0.3055



40.2123, 0.2545, 0.2141



17.0749, 0.3190, 0.3029



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.



50.9797, 0.3348, 0.2511



44.3173, 0.3409, 0.2355



48.5743, 0.3803, 0.2981



18.2304, 0.3171, 0.3105



13.3310, 0.3834, 0.1886



1.3137, 0.3748, 0.1838

Inverse Universe

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



50.9797, 0.3348, 0.2511



44.3173, 0.3409, 0.2355



84.0311, 0.2726, 0.3630



18.2304, 0.3171, 0.3105



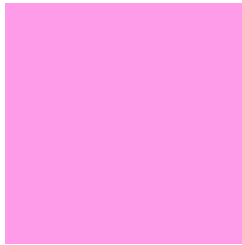
13.3310, 0.3834, 0.1886



1.3137, 0.3748, 0.1838

Previews

White Background



This preview shows how the Yxy color 50.9774, 0.3348, 0.2511 looks on a white background.

Color Contrast Check

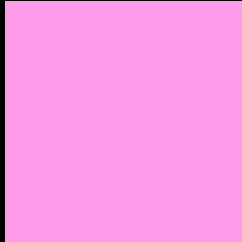
Large Text (above 18pt) WCAG AA × Fail

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 50.9774, 0.3348, 0.2511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

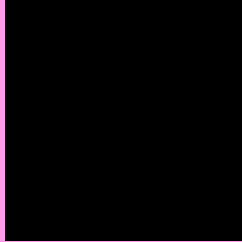
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.9774, 0.3348, 0.2511

Background



This preview shows how black text looks on a background with the Yxy color 50.9774, 0.3348, 0.2511.



This preview shows how white text looks on a background with the Yxy color 50.9774, 0.3348, 0.2511.

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

50.9774, 0.3348, 0.2511

Protanopia

51.3067, 0.2550, 0.2497

Deuteranopia

51.1739, 0.2838, 0.2768



Tritanopia

50.8892, 0.3764, 0.3152

Trichromacy



Original Color

50.9774, 0.3348, 0.2511



Protanomaly

50.1836, 0.2802, 0.2493



Deuteranomaly

50.1878, 0.3008, 0.2649



Tritanomaly

50.8737, 0.3611, 0.2902

Monochromacy



Original Color

50.9774, 0.3348, 0.2511



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

51.8449, 0.3202, 0.2956

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9774, 0.3348, 0.2511 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, 156, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 156, 234)  
}
```

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, 156, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 156, 234) }
```

Border

The CSS property to change the border of an element to Yxy 50.9774, 0.3348, 0.2511 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, 156, 234) }
```

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

```
.border{ border-color:rgb(255, 156, 234) }
```

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

Here you see how a box with a 4 pixel rgb(255, 156, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 156, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 156, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 156,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9774, 0.3348, 0.2511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 156, 234) }
```

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

```
.background{ background-color: rgb(255,  
156, 234) }
```

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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