

Converting Colors

$Yxy(50.6808, 0.3272, 0.2408)$

Have a look what the booklet for
Yxy(50.6808, 0.3272, 0.2408)
contains.

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Color

Yxy(50.8423, 0.3272, 0.2412)

Conversions

Conversions Part 1

Format	Color
Hex	FF9AF3
RGB	255, 154, 243
RGB Percent	100%, 60%, 95%
CMY	0.0000, 0.3960, 0.0470
CMYK	0.00, 0.40, 0.05, 0.00
HSL	307°, 100%, 80%
HSV	307°, 40%, 100%
XYZ	68.9702, 50.8423, 90.9765
YIQ	194.3450, 31.6270, 49.0910

Conversions

Conversions Part 2

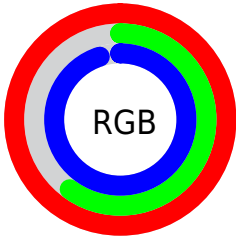
Format	Color
R _Y B	255, 154, 243
Decimal	16751347
CIE Lab	76.58, 50.24, -28.75
CIE LCh	77, 57.885, 330.223
Yxy	50.8423, 0.3272, 0.2412
Android (android.graphics.Color)	4294941427 (0xFFFF9AF3)
YUV	194.3450, 23.9869, 53.1944
Hunter-Lab	71.3038, 47.8764, -25.7355

Details

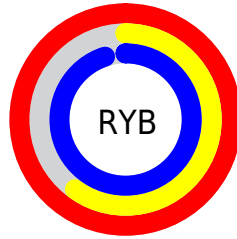
The Yxy color **50.8423, 0.3272, 0.2412** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.1364, 0.3011, 0.4365**, and the grayscale version is **54.0069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5732, 0.3148, 0.2851**, and **24.5725, 0.3294, 0.2215** is the 20% darker color. If you saturate the color by 10%, you get **43.1206, 0.3317, 0.2209**, and if you desaturate by 10%, it is **60.3592, 0.3230, 0.2631**.

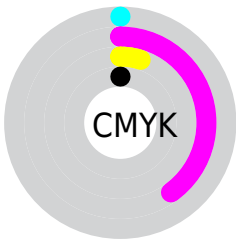
Distribution



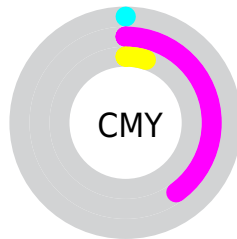
- Red (100%)
- Green (60%)
- Blue (95%)



- Red (100%)
- Yellow (60%)
- Blue (95%)



- Cyan (0%)
- Magenta (40%)
- Yellow (5%)
- Black (0%)





- Cyan (0%)
- Magenta (40%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8423, 0.3272, 0.2412 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 50.8423, 0.3272, 0.2412 by changing the saturation by 10% instead.


 50.8423, 0.3272,
0.2412


 50.8423, 0.3272,
0.2412


389.9508, 0.3215,
0.2809

 36.0831, 0.3282,
0.2324

 91.4216, 0.3254,
0.2548

 24.4984, 0.3294,
0.2217


 118.0106, 0.3247,
0.2601

 15.7037, 0.3307,
0.2084


149.3115, 0.3240,
0.2647

 9.3148, 0.3319,
0.1915

185.7089, 0.3234,
0.2688

 4.9471, 0.3330,
0.1695

227.5872, 0.3228,
0.2724

 2.2162, 0.3332,
0.1400

275.3306, 0.3224,

 0.7288, 0.3306,

0.2755

0.0986

329.3237, 0.3219,
0.2784

0.0000, 0.3318,
0.0000

0.0000, 0.0000,
0.0000

50.8423, 0.3272,
0.2412

50.8423, 0.3272,
0.2412

43.1206, 0.3317,
0.2209

60.3592, 0.3230,
0.2631

37.0730, 0.3364,
0.2032

71.7685, 0.3191,
0.2857

32.5744, 0.3410,
0.1890

85.1687, 0.3157,
0.3081

29.4793, 0.3456,
0.1791

99.9977, 0.3127,
0.3290

■ 27.6143, 0.3499,
0.1738

■ 26.7080, 0.3538,
0.1724

■ 26.6792, 0.3540,
0.1724

Harmonies

Analogous

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



50.8423, 0.2530, 0.2155



50.8423, 0.3272, 0.2412



50.8423, 0.4064, 0.2848

Triad

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



50.8423, 0.3272, 0.2412



50.8423, 0.4253, 0.4483



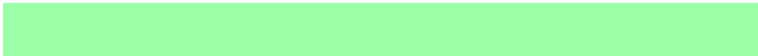
50.8423, 0.1851, 0.2910

Complementary

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



50.8423, 0.3272, 0.2412



81.1364, 0.3011, 0.4365

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.



50.8423, 0.2210, 0.3721



50.8423, 0.3272, 0.2412



50.8423, 0.3589, 0.4740

Square

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



50.8423, 0.3272, 0.2412



50.8423, 0.4644, 0.3966



50.8423, 0.2840, 0.4474



50.8423, 0.1794, 0.2362

Rectangle

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



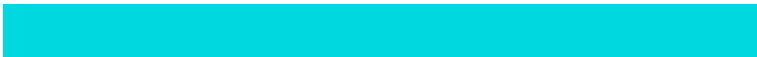
50.8423, 0.3272, 0.2412



50.8423, 0.4464, 0.3203



50.8423, 0.2840, 0.4474



50.8423, 0.1936, 0.3160

Sweetspot

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



50.8446, 0.3272, 0.2412



81.7749, 0.3165, 0.3028



38.4194, 0.2470, 0.2096



17.1174, 0.3169, 0.2998



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.



50.8446, 0.3272, 0.2412



44.2453, 0.3310, 0.2240



48.2109, 0.3738, 0.2889



18.2611, 0.3156, 0.3083



13.9567, 0.3534, 0.1720



1.3690, 0.3492, 0.1697

Inverse Universe

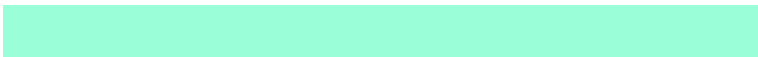
The Inverse Universe completely reimagines the original color for something new.



50.8446, 0.3272, 0.2412



44.2453, 0.3310, 0.2240



83.3558, 0.2760, 0.3740



18.2611, 0.3156, 0.3083



13.9567, 0.3534, 0.1720



1.3690, 0.3492, 0.1697

Previews

White Background



This preview shows how the Yxy color 50.8423, 0.3272, 0.2412 looks on a white background.

Color Contrast Check

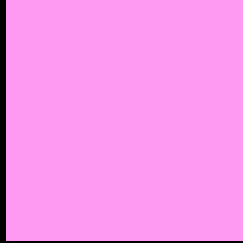
Large Text (above 18pt) WCAG AA × Fail

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 50.8423, 0.3272, 0.2412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

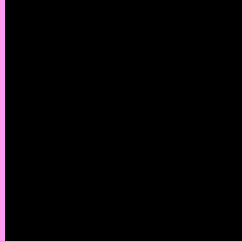
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.8423, 0.3272, 0.2412

Background



This preview shows how black text looks on a background with the Yxy color 50.8423, 0.3272, 0.2412.



This preview shows how white text looks on a background with the Yxy color 50.8423, 0.3272, 0.2412.

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

50.8423, 0.3272, 0.2412

Protanopia

51.1957, 0.2544, 0.2496

Deuteranopia

51.2995, 0.2743, 0.2687



Tritanopia

50.7069, 0.3755, 0.3151

Trichromacy



Original Color

50.8423, 0.3272, 0.2412



Protanomaly

49.9043, 0.2767, 0.2442



Deuteranomaly

50.0594, 0.2918, 0.2562



Tritanomaly

50.4765, 0.3576, 0.2860

Monochromacy



Original Color

50.8423, 0.3272, 0.2412



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

51.5926, 0.3179, 0.2912

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8423, 0.3272, 0.2412 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, 154, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 154, 243)  
}
```

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, 154, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 154, 243) }
```

Border

The CSS property to change the border of an element to Yxy 50.8423, 0.3272, 0.2412 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, 154, 243) }
```

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

```
.border{ border-color:rgb(255, 154, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 154, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 154, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 154, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 154,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8423, 0.3272, 0.2412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 154, 243) }
```

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

```
.background{ background-color: rgb(255,  
154, 243) }
```

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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