

Converting Colors

$Y_{xy}(55.8287, 0.3423, 0.2470)$

Have a look what the booklet for
Yxy(55.8287, 0.3423, 0.2470)
contains.

Yxy(51.9665, 0.3253, 0.2423)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(51.9665, 0.3253, 0.2423)

Conversions

Conversions Part 1

Format	Color
Hex	FF9DF5
RGB	255, 157, 245
RGB Percent	100%, 62%, 96%
CMY	0.0001, 0.3842, 0.0392
CMYK	0.00, 0.38, 0.04, 0.00
HSL	306°, 100%, 81%
HSV	306°, 38%, 100%
XYZ	69.7677, 51.9665, 92.7376
YIQ	196.3340, 30.1600, 48.1440

Conversions

Conversions Part 2

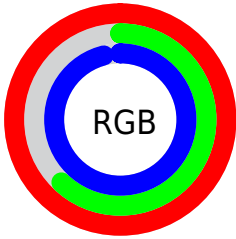
Format	Color
R _Y B	255, 157, 245
Decimal	16752117
CIE _{Lab}	77.26, 49.05, -28.79
CIE _{LCh}	77, 56.871, 329.590
Yxy	51.9665, 0.3253, 0.2423
Android (android.graphics.Color)	4294942197 (0xFFFF9DF5)
YUV	196.3340, 23.9923, 51.4501
Hunter-Lab	72.0878, 46.6014, -25.8124

Details

The Yxy color **51.9665, 0.3253, 0.2423** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.4572, 0.3022, 0.4347**, and the grayscale version is **55.2549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0685, 0.3146, 0.2881**, and **25.2449, 0.3269, 0.2227** is the 20% darker color. If you saturate the color by 10%, you get **44.0639, 0.3293, 0.2215**, and if you desaturate by 10%, it is **61.6760, 0.3216, 0.2646**.

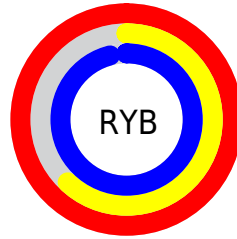
Distribution



Red (100%)

Green (62%)

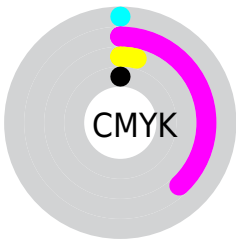
Blue (96%)



Red (100%)

Yellow (62%)

Blue (96%)

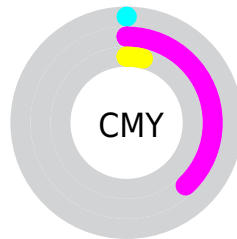


Cyan (0%)

Magenta (38%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (38%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.9665, 0.3253, 0.2423 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 51.9665, 0.3253, 0.2423 by changing the saturation by 10% instead.


 51.9665, 0.3253,
0.2423

 51.9665, 0.3253,
0.2423


394.3073, 0.3205,
0.2814

 36.9784, 0.3261,
0.2337


 93.0818, 0.3238,
0.2557

 25.1907, 0.3271,
0.2231


 119.9778, 0.3232,
0.2609

 16.2192, 0.3280,
0.2101


151.6119, 0.3226,
0.2655

 9.6794, 0.3289,
0.1936

188.3685, 0.3221,
0.2695

 5.1869, 0.3294,
0.1720

230.6319, 0.3217,
0.2730

 2.3574, 0.3289,
0.1431

278.7865, 0.3212,

 0.8038, 0.3251,

0.2761

0.1033

333.2169, 0.3208,
0.2789

0.0000, 0.3269,
0.0000

0.0000, 0.0000,
0.0000

51.9665, 0.3253,
0.2423

51.9665, 0.3253,
0.2423

44.0639, 0.3293,
0.2215

61.6760, 0.3216,
0.2646

37.8483, 0.3333,
0.2032

73.2886, 0.3181,
0.2876

33.1966, 0.3374,
0.1884

86.9018, 0.3150,
0.3104

29.9657, 0.3413,
0.1778

99.9930, 0.3127,
0.3290

■ 27.9865, 0.3450,
0.1717

■ 27.0223, 0.3484,
0.1697

■ 26.9113, 0.3489,
0.1696

Harmonies

Analogous

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



51.9665, 0.2531, 0.2175



51.9665, 0.3253, 0.2423



51.9665, 0.4027, 0.2848

Triad

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



51.9665, 0.3253, 0.2423



51.9665, 0.4242, 0.4450



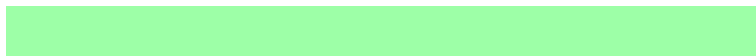
51.9665, 0.1882, 0.2936

Complementary

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



51.9665, 0.3253, 0.2423



81.4572, 0.3022, 0.4347

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.



51.9665, 0.2243, 0.3728



51.9665, 0.3253, 0.2423



51.9665, 0.3597, 0.4703

Square

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



51.9665, 0.3253, 0.2423



51.9665, 0.4614, 0.3945



51.9665, 0.2864, 0.4453



51.9665, 0.1819, 0.2392

Rectangle

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



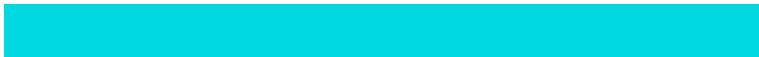
51.9665, 0.3253, 0.2423



51.9665, 0.4421, 0.3196



51.9665, 0.2864, 0.4453



51.9665, 0.1969, 0.3182

Sweetspot

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



51.9688, 0.3253, 0.2423



81.8077, 0.3161, 0.3023



39.5370, 0.2482, 0.2133



17.1252, 0.3165, 0.2993



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.



51.9688, 0.3253, 0.2423



45.8260, 0.3283, 0.2263



49.3711, 0.3696, 0.2884



18.2666, 0.3154, 0.3079



14.0793, 0.3484, 0.1693



1.3797, 0.3449, 0.1673

Inverse Universe

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



51.9688, 0.3253, 0.2423



45.8260, 0.3283, 0.2263



83.6144, 0.2777, 0.3744



18.2666, 0.3154, 0.3079



14.0793, 0.3484, 0.1693



1.3797, 0.3449, 0.1673

Previews

White Background



This preview shows how the Yxy color 51.9665, 0.3253, 0.2423 looks on a white background.

Color Contrast Check

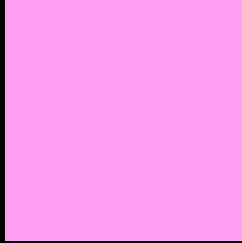
Large Text (above 18pt) WCAG AA × Fail

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 51.9665, 0.3253, 0.2423 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 51.9665, 0.3253, 0.2423

Background



This preview shows how black text looks on a background with the Yxy color 51.9665, 0.3253, 0.2423.



This preview shows how white text looks on a background with the Yxy color 51.9665, 0.3253, 0.2423.

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

51.9665, 0.3253, 0.2423

Protanopia

52.3858, 0.2566, 0.2524

Deuteranopia

52.0869, 0.2745, 0.2680



Tritanopia

51.9425, 0.3718, 0.3152

Trichromacy



Original Color

51.9665, 0.3253, 0.2423



Protanomaly

50.9659, 0.2784, 0.2468



Deuteranomaly

51.1032, 0.2912, 0.2567



Tritanomaly

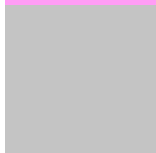
51.6905, 0.3543, 0.2860

Monochromacy



Original Color

51.9665, 0.3253, 0.2423



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

53.0627, 0.3169, 0.2926

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9665, 0.3253, 0.2423 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, 157, 245)` looks like.

```
.text, #text, p{  
    color:rgb(255, 157, 245)  
}
```

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, 157, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 157, 245) }
```

Border

The CSS property to change the border of an element to Yxy 51.9665, 0.3253, 0.2423 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, 157, 245) }
```

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

```
.border{ border-color:rgb(255, 157, 245) }
```

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

Here you see how a box with a 4 pixel rgb(255, 157, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 157, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 157, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 157,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9665, 0.3253, 0.2423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 157, 245) }
```

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

```
.background{ background-color: rgb(255,  
157, 245) }
```

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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