

Converting Colors

$Y_{xy}(49.5264, 0.3421, 0.2552)$

Have a look what the booklet for
Yxy(49.5264, 0.3421, 0.2552)
contains.

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Color

Yxy(49.5335, 0.3422, 0.2554)

Conversions

Conversions Part 1

Format	Color
Hex	FF99E2
RGB	255, 153, 226
RGB Percent	100%, 60%, 89%
CMY	0.0000, 0.4000, 0.1136
CMYK	0.00, 0.40, 0.11, 0.00
HSL	317°, 100%, 80%
HSV	317°, 40%, 100%
XYZ	66.3679, 49.5335, 78.0434
YIQ	191.8200, 37.3590, 44.3270

Conversions

Conversions Part 2

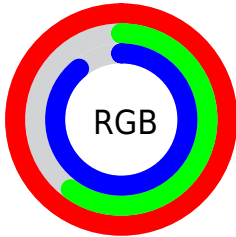
Format	Color
RYB	255, 153, 226
Decimal	16751074
CIELab	75.78, 47.97, -20.74
CIElCh	76, 52.265, 336.617
Yxy	49.5335, 0.3422, 0.2554
Android (android.graphics.Color)	4294941154 (0xFFFF99E2)
YUV	191.8200, 16.8507, 55.4089
Hunter-Lab	70.3800, 45.1592, -16.4798

Details

The Yxy color **49.5335, 0.3422, 0.2554** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **81.6665, 0.2926, 0.4167**, and the grayscale version is **52.4836, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0809, 0.3148, 0.2841**, and **23.7343, 0.3489, 0.2377** is the 20% darker color. If you saturate the color by 10%, you get **41.6696, 0.3523, 0.2381**, and if you desaturate by 10%, it is **59.1952, 0.3332, 0.2739**.

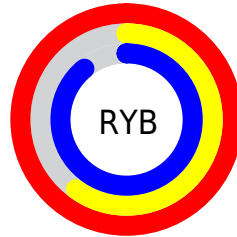
Distribution



Red (100%)

Green (60%)

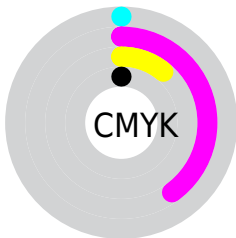
Blue (89%)



Red (100%)

Yellow (60%)

Blue (89%)

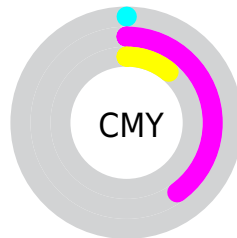


Cyan (0%)

Magenta (40%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.5335, 0.3422, 0.2554 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 49.5335, 0.3422, 0.2554 by changing the saturation by 10% instead.


 49.5335, 0.3422,
0.2554


 49.5335, 0.3422,
0.2554


384.8388, 0.3287,
0.2894

 35.0429, 0.3452,
0.2477


 89.4833, 0.3376,
0.2672

 23.6959, 0.3489,
0.2382


 115.7113, 0.3358,
0.2717

 15.1082, 0.3535,
0.2263

146.6205, 0.3342,
0.2757

 8.8954, 0.3594,
0.2109

182.5953, 0.3328,
0.2791

 4.6730, 0.3672,
0.1902

224.0202, 0.3316,
0.2822

 2.0567, 0.3778,
0.1615

271.2794, 0.3305,

 0.6401, 0.3941,

0.2848

0.1162

324.7575, 0.3296,
0.2872

■ 0.0000, 0.4357,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.5335, 0.3422,
0.2554

■ 49.5335, 0.3422,
0.2554

■ 41.6696, 0.3523,
0.2381

■ 59.1952, 0.3332,
0.2739

■ 35.4921, 0.3634,
0.2231

■ 70.7629, 0.3253,
0.2927

■ 30.8718, 0.3751,
0.2113

■ 84.3322, 0.3185,
0.3112

■ 27.6619, 0.3872,
0.2040

99.9931, 0.3127,
0.3290

■ 25.6874, 0.3991,
0.2015

100.0000, 0.3127,
0.3290

■ 24.6627, 0.4107,
0.2036

Harmonies

Analogous

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



49.5335, 0.2713, 0.2274



49.5335, 0.3422, 0.2554



49.5335, 0.4113, 0.2989

Triad

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



49.5335, 0.3422, 0.2554



49.5335, 0.4056, 0.4468



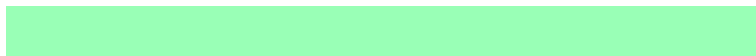
49.5335, 0.1915, 0.2820

Complementary

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



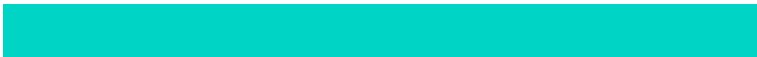
49.5335, 0.3422, 0.2554



81.6665, 0.2926, 0.4167

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.



49.5335, 0.2194, 0.3520



49.5335, 0.3422, 0.2554



49.5335, 0.3416, 0.4597

Square

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



49.5335, 0.3422, 0.2554



49.5335, 0.4474, 0.4038



49.5335, 0.2734, 0.4239



49.5335, 0.1917, 0.2371

Rectangle

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



49.5335, 0.3422, 0.2554



49.5335, 0.4426, 0.3331



49.5335, 0.2734, 0.4239



49.5335, 0.1976, 0.3031

Sweetspot

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



49.5323, 0.3422, 0.2554



81.4597, 0.3198, 0.3076



39.9310, 0.2585, 0.2120



17.0429, 0.3206, 0.3052



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.



49.5323, 0.3422, 0.2554



43.1065, 0.3502, 0.2414



47.1378, 0.3920, 0.3060



18.2073, 0.3182, 0.3121



12.9137, 0.4088, 0.2026



1.2762, 0.3964, 0.1957

Inverse Universe

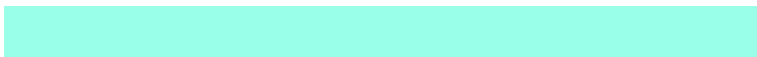
The Inverse Universe completely reimagines the original color for something new.



49.5323, 0.3422, 0.2554



43.1065, 0.3502, 0.2414



84.1686, 0.2676, 0.3541



18.2073, 0.3182, 0.3121



12.9137, 0.4088, 0.2026



1.2762, 0.3964, 0.1957

Previews

White Background



This preview shows how the Yxy color 49.5335, 0.3422, 0.2554 looks on a white background.

Color Contrast Check

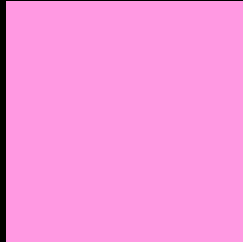
Large Text (above 18pt) WCAG AA × Fail

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 49.5335, 0.3422, 0.2554 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 49.5335, 0.3422, 0.2554

Background



This preview shows how black text looks on a background with the Yxy color 49.5335, 0.3422, 0.2554.



This preview shows how white text looks on a background with the Yxy color 49.5335, 0.3422, 0.2554.

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

49.5335, 0.3422, 0.2554

Protanopia

49.9725, 0.2574, 0.2532

Deuteranopia

49.9062, 0.2892, 0.2832



Tritanopia

49.4293, 0.3833, 0.3163

Trichromacy



Original Color

49.5335, 0.3422, 0.2554



Protanomaly

48.5174, 0.2833, 0.2516



Deuteranomaly

48.9789, 0.3070, 0.2709



Tritanomaly

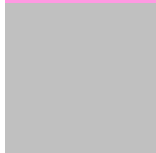
49.2005, 0.3677, 0.2922

Monochromacy



Original Color

49.5335, 0.3422, 0.2554



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

50.6475, 0.3236, 0.2988

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5335, 0.3422, 0.2554 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, 153, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 226)  
}
```

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, 153, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 226) }
```

Border

The CSS property to change the border of an element to Yxy 49.5335, 0.3422, 0.2554 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, 153, 226) }
```

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

```
.border{ border-color:rgb(255, 153, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5335, 0.3422, 0.2554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 226) }
```

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

```
.background{ background-color: rgb(255,  
153, 226) }
```

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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