

Converting Colors

$Y_{xy}(49.7703, 0.3415, 0.2590)$

Have a look what the booklet for
Yxy(49.7703, 0.3415, 0.2590)
contains.

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Color

Yxy(49.7072, 0.3420, 0.2588)

Conversions

Conversions Part 1

Format	Color
Hex	FD9BE0
RGB	253, 155, 224
RGB Percent	99%, 61%, 88%
CMY	0.0078, 0.3922, 0.1215
CMYK	0.00, 0.39, 0.11, 0.01
HSL	318°, 96%, 80%
HSV	318°, 39%, 99%
XYZ	65.6873, 49.7072, 76.6735
YIQ	192.1680, 36.2590, 42.2350

Conversions

Conversions Part 2

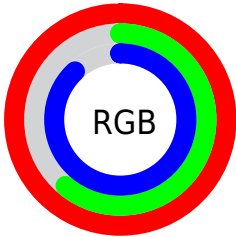
Format	Color
R _Y B	253, 155, 224
Decimal	16620512
CIE Lab	75.89, 45.99, -19.50
CIE LCh	76, 49.954, 337.018
Yxy	49.7072, 0.3420, 0.2588
Android (android.graphics.Color)	4294810592 (0xFFFD9BE0)
YUV	192.1680, 15.6932, 53.3497
Hunter-Lab	70.5033, 42.9259, -15.1265

Details

The Yxy color **49.7072, 0.3420, 0.2588** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **80.6801, 0.2925, 0.4119**, and the grayscale version is **52.7081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0685, 0.3147, 0.2861**, and **23.7740, 0.3487, 0.2416** is the 20% darker color. If you saturate the color by 10%, you get **41.7552, 0.3524, 0.2416**, and if you desaturate by 10%, it is **59.4457, 0.3328, 0.2771**.

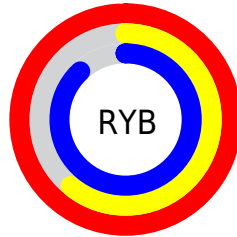
Distribution



Red (99%)

Green (61%)

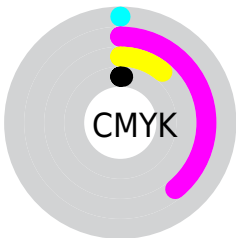
Blue (88%)



Red (99%)

Yellow (61%)

Blue (88%)

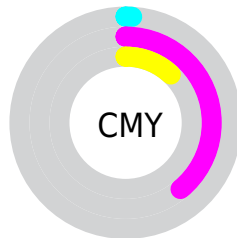


Cyan (0%)

Magenta (39%)

Yellow (11%)

Black (1%)



Cyan (1%)


Magenta (39%)

Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7072, 0.3420, 0.2588 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 49.7072, 0.3420, 0.2588 by changing the saturation by 10% instead.

 49.7072, 0.3420,
0.2588


 49.7072, 0.3420,
0.2588


385.5198, 0.3285,
0.2913

 35.1808, 0.3450,
0.2514


 89.7409, 0.3374,
0.2701

 23.8022, 0.3488,
0.2423


 116.0170, 0.3355,
0.2745

 15.1869, 0.3535,
0.2308


146.9784, 0.3340,
0.2782

 8.9507, 0.3595,
0.2158

183.0096, 0.3326,
0.2815

 4.7090, 0.3675,
0.1958

224.4950, 0.3314,
0.2844

 2.0776, 0.3787,
0.1676

271.8189, 0.3303,

 0.6520, 0.3960,

0.2870

0.1229

325.3657, 0.3294,
0.2893

0.0000, 0.4429,
0.0000

0.0000, 0.0000,
0.0000

49.7072, 0.3420,
0.2588

49.7072, 0.3420,
0.2588

41.7552, 0.3524,
0.2416

59.4457, 0.3328,
0.2771

35.4714, 0.3639,
0.2264

71.0653, 0.3247,
0.2956

30.7344, 0.3761,
0.2144

84.6625, 0.3179,
0.3138

27.4028, 0.3888,
0.2066

99.5554, 0.3121,
0.3300

■ 25.3095, 0.4014,
0.2037

99.6230, 0.3115,
0.3290

■ 24.2133, 0.4136,
0.2056

■ 24.1056, 0.4151,
0.2060

Harmonies

Analogous

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



49.7072, 0.2741, 0.2315



49.7072, 0.3420, 0.2588



49.7072, 0.4076, 0.3010

Triad

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



49.7072, 0.3420, 0.2588



49.7072, 0.4014, 0.4424



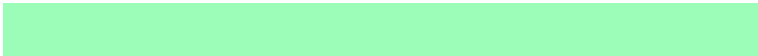
49.7072, 0.1961, 0.2837

Complementary

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



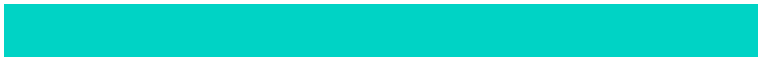
49.7072, 0.3420, 0.2588



80.6801, 0.2925, 0.4119

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.



49.7072, 0.2228, 0.3501



49.7072, 0.3420, 0.2588



49.7072, 0.3400, 0.4533

Square

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



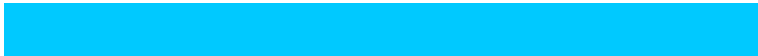
49.7072, 0.3420, 0.2588



49.7072, 0.4414, 0.4021



49.7072, 0.2746, 0.4183



49.7072, 0.1966, 0.2406

Rectangle

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



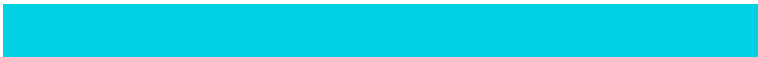
49.7072, 0.3420, 0.2588



49.7072, 0.4371, 0.3341



49.7072, 0.2746, 0.4183



49.7072, 0.2019, 0.3038

Sweetspot

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



49.7095, 0.3420, 0.2588



81.4375, 0.3200, 0.3079



40.5739, 0.2607, 0.2162



17.0377, 0.3209, 0.3056



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.



49.7095, 0.3420, 0.2588



44.5354, 0.3495, 0.2461



47.4700, 0.3883, 0.3067



18.2035, 0.3184, 0.3124



12.8499, 0.4132, 0.2050



1.2703, 0.4001, 0.1978

Inverse Universe

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



49.7095, 0.3420, 0.2588



44.5354, 0.3495, 0.2461



83.0335, 0.2687, 0.3532



18.2035, 0.3184, 0.3124



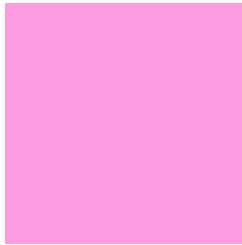
12.8499, 0.4132, 0.2050



1.2703, 0.4001, 0.1978

Previews

White Background



This preview shows how the Yxy color 49.7072, 0.3420, 0.2588 looks on a white background.

Color Contrast Check

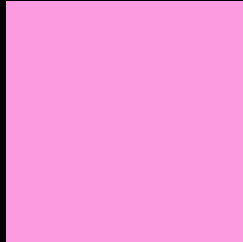
Large Text (above 18pt) WCAG AA × Fail

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 49.7072, 0.3420, 0.2588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

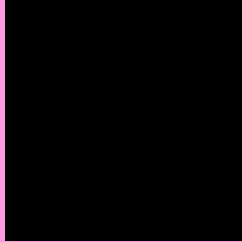
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.7072, 0.3420, 0.2588

Background



This preview shows how black text looks on a background with the Yxy color 49.7072, 0.3420, 0.2588.



This preview shows how white text looks on a background with the Yxy color 49.7072, 0.3420, 0.2588.

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

49.7072, 0.3420, 0.2588

Protanopia

49.9484, 0.2610, 0.2576

Deuteranopia

49.9286, 0.2914, 0.2855



Tritanopia

49.4994, 0.3792, 0.3151

Trichromacy



Original Color

49.7072, 0.3420, 0.2588



Protanomaly

48.8040, 0.2869, 0.2569



Deuteranomaly

49.2537, 0.3085, 0.2741



Tritanomaly

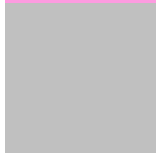
49.5245, 0.3654, 0.2940

Monochromacy



Original Color

49.7072, 0.3420, 0.2588



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

50.8960, 0.3226, 0.2999

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7072, 0.3420, 0.2588 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(253, 155, 224)` looks like.

```
.text, #text, p{  
    color:rgb(253, 155, 224)  
}
```

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(253, 155, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 155, 224) }
```

Border

The CSS property to change the border of an element to Yxy 49.7072, 0.3420, 0.2588 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(253, 155, 224) }
```

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

```
.border{ border-color:rgb(253, 155, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 155, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 155, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 155, 224);  
box-shadow:4px 4px 4px 4px rgb(253, 155,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7072, 0.3420, 0.2588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 155, 224) }
```

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

```
.background{ background-color: rgb(253,  
155, 224) }
```

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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