

Converting Colors

$Y_{xy}(49.3343, 0.3456, 0.2589)$

Have a look what the booklet for
Yxy(49.3343, 0.3456, 0.2589)
contains.

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Color

Yxy(49.3164, 0.3459, 0.2592)

Conversions

Conversions Part 1

Format	Color
Hex	FF99DE
RGB	255, 153, 222
RGB Percent	100%, 60%, 87%
CMY	0.0000, 0.4000, 0.1295
CMYK	0.00, 0.40, 0.13, 0.00
HSL	319°, 100%, 80%
HSV	319°, 40%, 100%
XYZ	65.8123, 49.3164, 75.1352
YIQ	191.3640, 38.6430, 43.0830

Conversions

Conversions Part 2

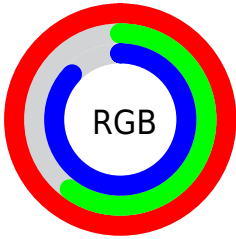
Format	Color
RYB	255, 153, 222
Decimal	16751070
CIELab	75.65, 47.31, -18.72
CIELCh	76, 50.880, 338.409
Yxy	49.3164, 0.3459, 0.2592
Android (android.graphics.Color)	4294941150 (0xFFFF99DE)
YUV	191.3640, 15.1035, 55.8088
Hunter-Lab	70.2256, 44.3872, -14.2771

Details

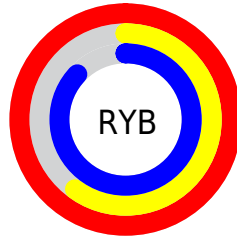
The Yxy color $49.3164, 0.3459, 0.2592$ is a light color, and the websafe version is hex FF99CC . A complement of this color would be $81.8403, 0.2905, 0.4116$, and the grayscale version is $52.2178, 0.3127, 0.3290$.

A 20% lighter version of the original color is $74.0809, 0.3148, 0.2841$, and $23.5840, 0.3540, 0.2423$ is the 20% darker color. If you saturate the color by 10%, you get $41.4116, 0.3575, 0.2427$, and if you desaturate by 10%, it is $59.0309, 0.3356, 0.2768$.

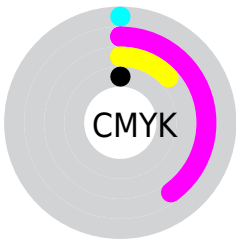
Distribution



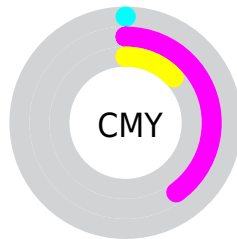
- Red (100%)
- Green (60%)
- Blue (87%)



- Red (100%)
- Yellow (60%)
- Blue (87%)



- Cyan (0%)
- Magenta (40%)
- Yellow (13%)
- Black (0%)





- Cyan (0%)
- Magenta (40%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3164, 0.3459, 0.2592 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 49.3164, 0.3459, 0.2592 by changing the saturation by 10% instead.


 49.3164, 0.3459,
0.2592

 49.3164, 0.3459,
0.2592


383.9866, 0.3305,
0.2916

 34.8705, 0.3494,
0.2518


 89.1612, 0.3406,
0.2704

 23.5632, 0.3538,
0.2427


 115.3289, 0.3385,
0.2748

 15.0099, 0.3592,
0.2312


146.1727, 0.3367,
0.2786

 8.8263, 0.3664,
0.2162

182.0770, 0.3351,
0.2819

 4.6281, 0.3760,
0.1961

223.4261, 0.3338,
0.2847

 2.0307, 0.3896,
0.1678

270.6045, 0.3325,

 0.6252, 0.4117,

0.2873

0.1217

323.9965, 0.3315,
0.2896

0.0000, 0.4705,
0.0000

0.0000, 0.0000,
0.0000

49.3164, 0.3459,
0.2592

49.3164, 0.3459,
0.2592

41.4116, 0.3575,
0.2427

59.0309, 0.3356,
0.2768

35.1947, 0.3703,
0.2284

70.6531, 0.3267,
0.2947

30.5398, 0.3841,
0.2174

84.2821, 0.3191,
0.3122

27.2999, 0.3983,
0.2107

99.9999, 0.3127,
0.3290

■ 25.3002, 0.4124,
0.2091

■ 24.2548, 0.4262,
0.2121

■ 24.2544, 0.4262,
0.2121

Harmonies

Analogous

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



49.3164, 0.2762, 0.2306



49.3164, 0.3459, 0.2592



49.3164, 0.4122, 0.3026

Triad

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



49.3164, 0.3459, 0.2592



49.3164, 0.4004, 0.4460



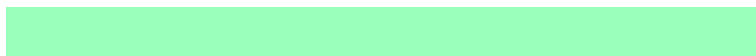
49.3164, 0.1934, 0.2799

Complementary

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



49.3164, 0.3459, 0.2592



81.8403, 0.2905, 0.4116

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.



49.3164, 0.2192, 0.3470



49.3164, 0.3459, 0.2592



49.3164, 0.3371, 0.4555

Square

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



49.3164, 0.3459, 0.2592



49.3164, 0.4428, 0.4054



49.3164, 0.2708, 0.4177



49.3164, 0.1951, 0.2375

Rectangle

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



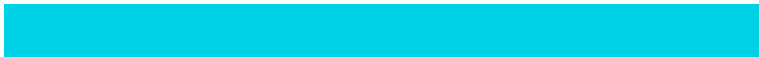
49.3164, 0.3459, 0.2592



49.3164, 0.4412, 0.3364



49.3164, 0.2708, 0.4177



49.3164, 0.1988, 0.3001

Sweetspot

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



49.3187, 0.3459, 0.2592



81.3846, 0.3206, 0.3087



40.3591, 0.2611, 0.2128



17.0252, 0.3215, 0.3065



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.



49.3187, 0.3459, 0.2592



42.8505, 0.3551, 0.2459



47.0138, 0.3954, 0.3096



18.1944, 0.3188, 0.3131



12.7020, 0.4240, 0.2109



1.2568, 0.4092, 0.2028

Inverse Universe

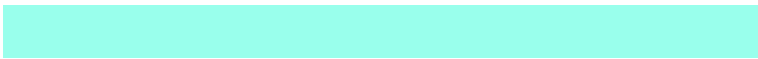
The Inverse Universe completely reimagines the original color for something new.



49.3187, 0.3459, 0.2592



42.8505, 0.3551, 0.2459



84.3670, 0.2660, 0.3502



18.1944, 0.3188, 0.3131



12.7020, 0.4240, 0.2109



1.2568, 0.4092, 0.2028

Previews

White Background



This preview shows how the Yxy color 49.3164, 0.3459, 0.2592 looks on a white background.

Color Contrast Check

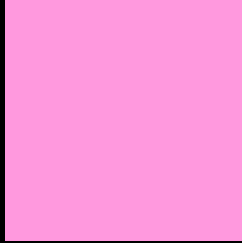
Large Text (above 18pt) WCAG AA × Fail

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 49.3164, 0.3459, 0.2592 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 49.3164, 0.3459, 0.2592

Background



This preview shows how black text looks on a background with the Yxy color 49.3164, 0.3459, 0.2592.



This preview shows how white text looks on a background with the Yxy color 49.3164, 0.3459, 0.2592.

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

49.3164, 0.3459, 0.2592

Protanopia

49.8875, 0.2616, 0.2586

Deuteranopia

49.5420, 0.2936, 0.2867



Tritanopia

49.2598, 0.3845, 0.3153

Trichromacy



Original Color

49.3164, 0.3459, 0.2592



Protanomaly

48.4998, 0.2884, 0.2569



Deuteranomaly

48.5364, 0.3110, 0.2741



Tritanomaly

49.2975, 0.3706, 0.2944

Monochromacy



Original Color

49.3164, 0.3459, 0.2592



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

50.0047, 0.3244, 0.2998

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3164, 0.3459, 0.2592 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, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 222)  
}
```

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, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 222) }
```

Border

The CSS property to change the border of an element to Yxy 49.3164, 0.3459, 0.2592 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, 222) }
```

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

```
.border{ border-color:rgb(255, 153, 222) }
```

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, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 153, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 153, 222); box-shadow:4px 4px 4px 4px rgb(255, 153, 222) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3164, 0.3459, 0.2592 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, 222) }
```

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

```
.background{ background-color: rgb(255,  
153, 222) }
```

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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