

Converting Colors

$Y_{xy}(93.9875, 0.4682, 0.2900)$

Have a look what the booklet for
Yxy(93.9875, 0.4682, 0.2900)
contains.

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Color

Yxy(49.5917, 0.3467, 0.2611)

Conversions

Conversions Part 1

Format	Color
Hex	FF9ADD
RGB	255, 154, 221
RGB Percent	100%, 60%, 87%
CMY	0.0000, 0.3961, 0.1334
CMYK	0.00, 0.40, 0.13, 0.00
HSL	320°, 100%, 80%
HSV	320°, 40%, 100%
XYZ	65.8500, 49.5917, 74.4920
YIQ	191.8370, 38.6890, 42.2490

Conversions

Conversions Part 2

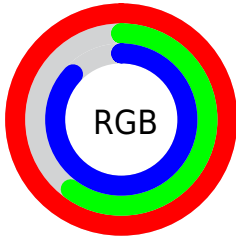
Format	Color
R _Y B	255, 154, 221
Decimal	16751325
CIE Lab	75.82, 46.66, -17.92
CIE LCh	76, 49.985, 338.987
Yxy	49.5917, 0.3467, 0.2611
Android (android.graphics.Color)	4294941405 (0xFFFF9ADD)
YUV	191.8370, 14.3774, 55.3940
Hunter-Lab	70.4214, 43.6754, -13.4222

Details

The Yxy color **49.5917, 0.3467, 0.2611** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **82.0215, 0.2900, 0.4090**, and the grayscale version is **52.5069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5732, 0.3148, 0.2851**, and **23.7378, 0.3552, 0.2446** is the 20% darker color. If you saturate the color by 10%, you get **41.6017, 0.3587, 0.2448**, and if you desaturate by 10%, it is **59.3891, 0.3361, 0.2784**.

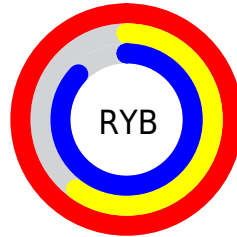
Distribution



Red (100%)

Green (60%)

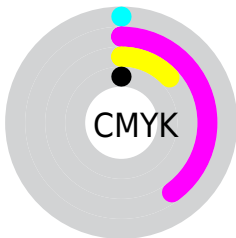
Blue (87%)



Red (100%)

Yellow (60%)

Blue (87%)

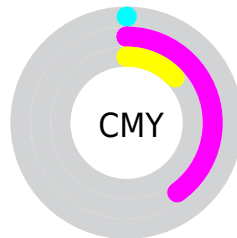


Cyan (0%)

Magenta (40%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.5917, 0.3467, 0.2611 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 49.5917, 0.3467, 0.2611 by changing the saturation by 10% instead.


 49.5917, 0.3467,
0.2611


 49.5917, 0.3467,
0.2611

385.0671, 0.3309,
0.2927

 35.0891, 0.3503,
0.2539


 89.5696, 0.3412,
0.2721

 23.7315, 0.3548,
0.2450


 115.8137, 0.3390,
0.2763

 15.1346, 0.3605,
0.2338


146.7404, 0.3372,
0.2800

 8.9139, 0.3680,
0.2191

182.7342, 0.3356,
0.2832

 4.6851, 0.3781,
0.1994

224.1793, 0.3342,
0.2860

 2.0637, 0.3924,
0.1715

271.4602, 0.3330,

 0.6441, 0.4158,

0.2885

0.1264

324.9614, 0.3319,
0.2907

0.0000, 0.4828,
0.0000

0.0000, 0.0000,
0.0000

49.5917, 0.3467,
0.2611

49.5917, 0.3467,
0.2611

41.6017, 0.3587,
0.2448

59.3891, 0.3361,
0.2784

35.3101, 0.3721,
0.2307

71.1040, 0.3269,
0.2960

30.5873, 0.3865,
0.2197

84.8310, 0.3191,
0.3132

27.2874, 0.4014,
0.2131

100.0000, 0.3127,
0.3290

■ 25.2366, 0.4163,
0.2116

■ 24.1628, 0.4308,
0.2148

■ 24.1285, 0.4313,
0.2150

Harmonies

Analogous

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



49.5917, 0.2781, 0.2326



49.5917, 0.3467, 0.2611



49.5917, 0.4113, 0.3041

Triad

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



49.5917, 0.3467, 0.2611



49.5917, 0.3979, 0.4444



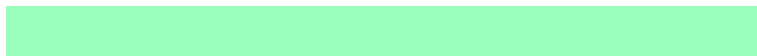
49.5917, 0.1951, 0.2799

Complementary

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



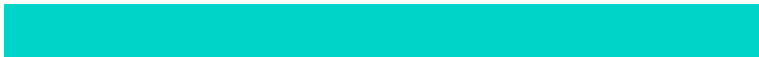
49.5917, 0.3467, 0.2611



82.0215, 0.2900, 0.4090

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.



49.5917, 0.2201, 0.3454



49.5917, 0.3467, 0.2611



49.5917, 0.3356, 0.4526

Square

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



49.5917, 0.3467, 0.2611



49.5917, 0.4399, 0.4053



49.5917, 0.2705, 0.4147



49.5917, 0.1974, 0.2386

Rectangle

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



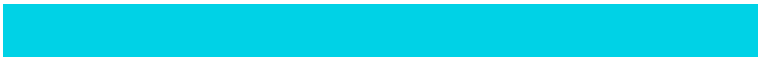
49.5917, 0.3467, 0.2611



49.5917, 0.4393, 0.3375



49.5917, 0.2705, 0.4147



49.5917, 0.2004, 0.2996

Sweetspot

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



49.5899, 0.3467, 0.2611



81.3604, 0.3208, 0.3091



40.9795, 0.2630, 0.2144



17.0195, 0.3218, 0.3069



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.



49.5899, 0.3467, 0.2611



42.7690, 0.3567, 0.2473



47.3044, 0.3960, 0.3115



18.1902, 0.3190, 0.3134



12.6366, 0.4290, 0.2137



1.2508, 0.4135, 0.2052

Inverse Universe

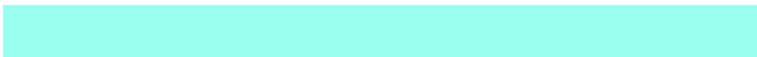
The Inverse Universe completely reimagines the original color for something new.



49.5899, 0.3467, 0.2611



42.7690, 0.3567, 0.2473



84.5727, 0.2655, 0.3480



18.1902, 0.3190, 0.3134



12.6366, 0.4290, 0.2137



1.2508, 0.4135, 0.2052

Previews

White Background



This preview shows how the Yxy color 49.5917, 0.3467, 0.2611 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 49.5917, 0.3467, 0.2611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

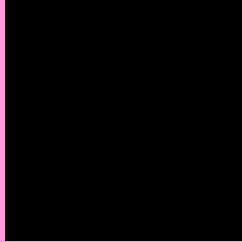
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.5917, 0.3467, 0.2611

Background



This preview shows how black text looks on a background with the Yxy color 49.5917, 0.3467, 0.2611.

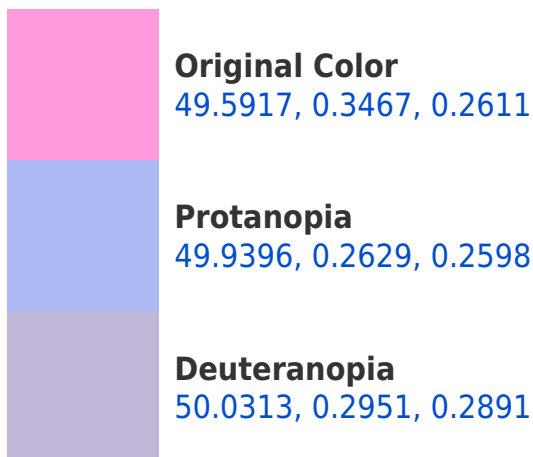


This preview shows how white text looks on a background with the Yxy color 49.5917, 0.3467, 0.2611.

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





Tritanopia

49.6135, 0.3842, 0.3164

Trichromacy



Original Color

49.5917, 0.3467, 0.2611



Protanomaly

48.8268, 0.2891, 0.2591



Deuteranomaly

49.0141, 0.3126, 0.2764



Tritanomaly

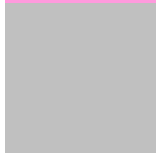
49.6428, 0.3703, 0.2954

Monochromacy



Original Color

49.5917, 0.3467, 0.2611



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

50.5997, 0.3244, 0.2999

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5917, 0.3467, 0.2611 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, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 154, 221)  
}
```

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, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 154, 221) }
```

Border

The CSS property to change the border of an element to Yxy 49.5917, 0.3467, 0.2611 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, 221) }
```

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

```
.border{ border-color:rgb(255, 154, 221) }
```

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, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 154, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 154, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 154,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5917, 0.3467, 0.2611 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, 221) }
```

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

```
.background{ background-color: rgb(255,  
154, 221) }
```

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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