

Converting Colors

$Y_{xy}(49.0983, 0.3442, 0.2563)$

Have a look what the booklet for
Yxy(49.0983, 0.3442, 0.2563)
contains.

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Color

Yxy(49.0983, 0.3442, 0.2563)

Conversions

Conversions Part 1

Format	Color
Hex	FF98E0
RGB	255, 152, 224
RGB Percent	100%, 60%, 88%
CMY	0.0000, 0.4040, 0.1215
CMYK	0.00, 0.40, 0.12, 0.00
HSL	318°, 100%, 80%
HSV	318°, 40%, 100%
XYZ	65.9369, 49.0983, 76.5305
YIQ	191.0050, 38.2760, 44.2280

Conversions

Conversions Part 2

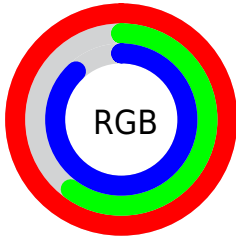
Format	Color
R _Y B	255, 152, 224
Decimal	16750816
CIE Lab	75.51, 48.17, -20.04
CIE LCh	76, 52.176, 337.409
Yxy	49.0983, 0.3442, 0.2563
Android (android.graphics.Color)	4294940896 (0xFFFF98E0)
YUV	191.0050, 16.2665, 56.1236
Hunter-Lab	70.0702, 45.3480, -15.7073

Details

The Yxy color **49.0983, 0.3442, 0.2563** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **81.6106, 0.2915, 0.4156**, and the grayscale version is **51.9823, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5918, 0.3149, 0.2831**, and **23.4703, 0.3516, 0.2388** is the 20% darker color. If you saturate the color by 10%, you get **41.2795, 0.3550, 0.2394**, and if you desaturate by 10%, it is **58.7011, 0.3346, 0.2744**.

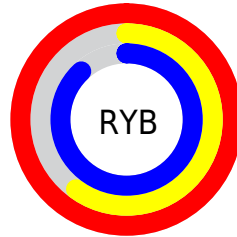
Distribution



Red (100%)

Green (60%)

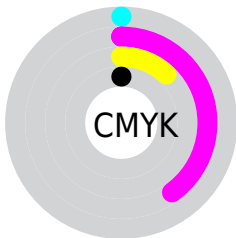
Blue (88%)



Red (100%)

Yellow (60%)

Blue (88%)

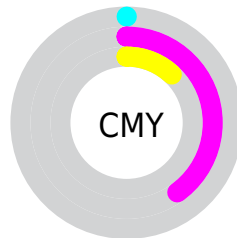


Cyan (0%)

Magenta (40%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (40%)

Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0983, 0.3442, 0.2563 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 49.0983, 0.3442, 0.2563 by changing the saturation by 10% instead.


 49.0983, 0.3442,
0.2563


 49.0983, 0.3442,
0.2563


383.1292, 0.3297,
0.2900

 34.6975, 0.3475,
0.2486


 88.8374, 0.3392,
0.2680

 23.4299, 0.3515,
0.2392


 114.9445, 0.3372,
0.2725

 14.9113, 0.3566,
0.2273


145.7225, 0.3356,
0.2764

 8.7571, 0.3631,
0.2120

181.5557, 0.3341,
0.2798

 4.5831, 0.3718,
0.1913

222.8286, 0.3328,
0.2828

 2.0048, 0.3838,
0.1624

269.9255, 0.3316,

 0.6103, 0.4032,

0.2855

0.1157

323.2309, 0.3306,
0.2878

■ 0.0000, 0.4499,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.0983, 0.3442,
0.2563

■ 49.0983, 0.3442,
0.2563

■ 41.2795, 0.3550,
0.2394

■ 58.7011, 0.3346,
0.2744

■ 35.1501, 0.3668,
0.2248

■ 70.2137, 0.3262,
0.2928

■ 30.5742, 0.3794,
0.2135

■ 83.7263, 0.3190,
0.3109

■ 27.4043, 0.3924,
0.2066

■ 99.3291, 0.3129,
0.3283

■ 25.4639, 0.4052,
0.2047

100.0000, 0.3127,
0.3290

■ 24.4864, 0.4172,
0.2072

Harmonies

Analogous

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



49.0983, 0.2730, 0.2278



49.0983, 0.3442, 0.2563



49.0983, 0.4130, 0.3002

Triad

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



49.0983, 0.3442, 0.2563



49.0983, 0.4042, 0.4478



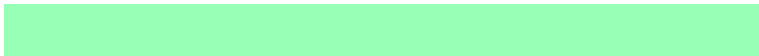
49.0983, 0.1910, 0.2804

Complementary

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



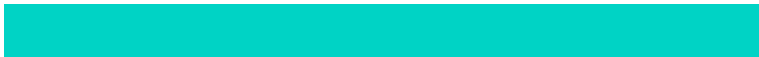
49.0983, 0.3442, 0.2563



81.6106, 0.2915, 0.4156

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.



49.0983, 0.2181, 0.3500



49.0983, 0.3442, 0.2563



49.0983, 0.3398, 0.4596

Square

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



49.0983, 0.3442, 0.2563



49.0983, 0.4469, 0.4052



49.0983, 0.2716, 0.4224



49.0983, 0.1920, 0.2362

Rectangle

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



49.0983, 0.3442, 0.2563



49.0983, 0.4436, 0.3345



49.0983, 0.2716, 0.4224



49.0983, 0.1969, 0.3013

Sweetspot

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



49.0914, 0.3442, 0.2563



81.4279, 0.3201, 0.3081



39.7220, 0.2592, 0.2111



17.0354, 0.3210, 0.3057



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.



49.0914, 0.3442, 0.2563



42.9973, 0.3523, 0.2433



46.7099, 0.3949, 0.3076



18.2018, 0.3184, 0.3125



12.8224, 0.4152, 0.2061



1.2678, 0.4018, 0.1987

Inverse Universe

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



49.0914, 0.3442, 0.2563



42.9973, 0.3523, 0.2433



84.1564, 0.2664, 0.3524



18.2018, 0.3184, 0.3125



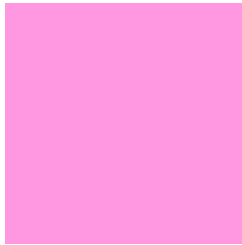
12.8224, 0.4152, 0.2061



1.2678, 0.4018, 0.1987

Previews

White Background



This preview shows how the Yxy color 49.0983, 0.3442, 0.2563 looks on a white background.

Color Contrast Check

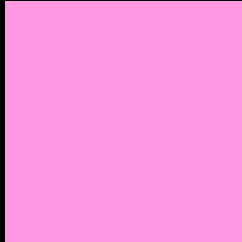
Large Text (above 18pt) WCAG AA × Fail

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 49.0983, 0.3442, 0.2563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

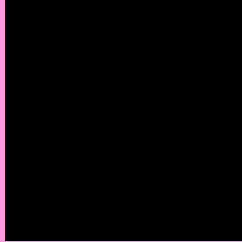
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.0983, 0.3442, 0.2563

Background



This preview shows how black text looks on a background with the Yxy color 49.0983, 0.3442, 0.2563.

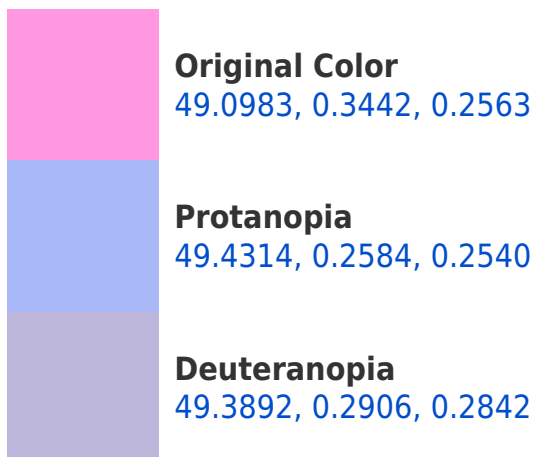


This preview shows how white text looks on a background with the Yxy color 49.0983, 0.3442, 0.2563.

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

49.0364, 0.3846, 0.3163

Trichromacy



Original Color

49.0983, 0.3442, 0.2563



Protanomaly

48.0164, 0.2846, 0.2524



Deuteranomaly

48.4924, 0.3086, 0.2718



Tritanomaly

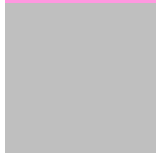
48.7687, 0.3699, 0.2932

Monochromacy



Original Color

49.0983, 0.3442, 0.2563



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

50.0522, 0.3236, 0.2987

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0983, 0.3442, 0.2563 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, 152, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 152, 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(255, 152, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 152, 224) }
```

Border

The CSS property to change the border of an element to Yxy 49.0983, 0.3442, 0.2563 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, 152, 224) }
```

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

```
.border{ border-color:rgb(255, 152, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 152, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 152, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 152, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 152,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0983, 0.3442, 0.2563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 152, 224) }
```

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

```
.background{ background-color: rgb(255,  
152, 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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