

Converting Colors

$Y_{xy}(49.9290, 0.3359, 0.2490)$

Have a look what the booklet for
Yxy(49.9290, 0.3359, 0.2490)
contains.

Yxy(49.9257, 0.3360, 0.2491)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.9257, 0.3360, 0.2491)

Conversions

Conversions Part 1

Format	Color
Hex	FF99E9
RGB	255, 153, 233
RGB Percent	100%, 60%, 91%
CMY	0.0000, 0.4000, 0.0864
CMYK	0.00, 0.40, 0.09, 0.00
HSL	313°, 100%, 80%
HSV	313°, 40%, 100%
XYZ	67.3426, 49.9257, 83.1561
YIQ	192.6180, 35.1120, 46.5040

Conversions

Conversions Part 2

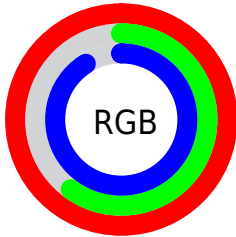
Format	Color
R_{YB}	255, 153, 233
Decimal	16751081
CIE _{Lab}	76.02, 49.09, -24.15
CIE _{LCh}	76, 54.711, 333.804
Yxy	49.9257, 0.3360, 0.2491
Android (android.graphics.Color)	4294941161 (0xFFFF99E9)
YUV	192.6180, 19.9083, 54.7090
Hunter-Lab	70.6581, 46.4724, -20.3165

Details

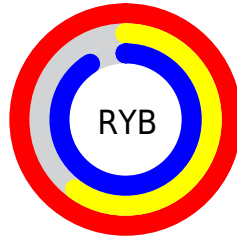
The Yxy color **49.9257, 0.3360, 0.2491** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.3882, 0.2960, 0.4254**, and the grayscale version is **52.9545, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0809, 0.3148, 0.2841**, and **23.9683, 0.3414, 0.2310** is the 20% darker color. If you saturate the color by 10%, you get **42.1392, 0.3437, 0.2305**, and if you desaturate by 10%, it is **59.5002, 0.3290, 0.2690**.

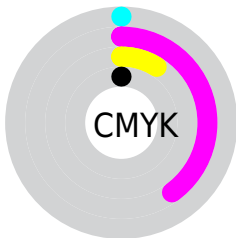
Distribution



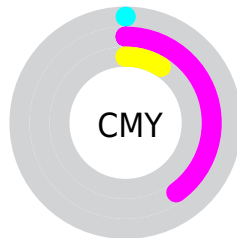
- Red (100%)
- Green (60%)
- Blue (91%)



- Red (100%)
- Yellow (60%)
- Blue (91%)



- Cyan (0%)
- Magenta (40%)
- Yellow (9%)
- Black (0%)




- Cyan (0%)
- Magenta (40%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9257, 0.3360, 0.2491 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 49.9257, 0.3360, 0.2491 by changing the saturation by 10% instead.


 49.9257, 0.3360,
0.2491


 49.9257, 0.3360,
0.2491


386.3753, 0.3258,
0.2857

 35.3544, 0.3382,
0.2409


 90.0648, 0.3326,
0.2617

 23.9360, 0.3408,
0.2308


 116.4013, 0.3312,
0.2666

 15.2861, 0.3440,
0.2183


147.4284, 0.3300,
0.2709

 9.0204, 0.3479,
0.2021

183.5303, 0.3289,
0.2746

 4.7545, 0.3528,
0.1807

225.0916, 0.3280,
0.2779

 2.1040, 0.3587,
0.1515

272.4966, 0.3272,

 0.6669, 0.3663,

0.2808

0.1075

326.1297, 0.3264,
0.2834

0.0000, 0.3880,
0.0000

0.0000, 0.0000,
0.0000

49.9257, 0.3360,
0.2491

49.9257, 0.3360,
0.2491

42.1392, 0.3437,
0.2305

59.5002, 0.3290,
0.2690

36.0338, 0.3520,
0.2143

70.9752, 0.3228,
0.2894

31.4789, 0.3606,
0.2016

84.4445, 0.3174,
0.3096

28.3277, 0.3693,
0.1931

99.9982, 0.3127,
0.3290

■ 26.4056, 0.3778,
0.1894

100.0000, 0.3127,
0.3290

■ 25.4269, 0.3859,
0.1899

Harmonies

Analogous

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



49.9257, 0.2634, 0.2220



49.9257, 0.3360, 0.2491



49.9257, 0.4098, 0.2928

Triad

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



49.9257, 0.3360, 0.2491



49.9257, 0.4143, 0.4481



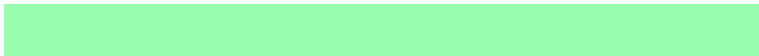
49.9257, 0.1883, 0.2855

Complementary

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



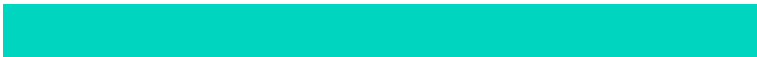
49.9257, 0.3360, 0.2491



81.3882, 0.2960, 0.4254

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.



49.9257, 0.2197, 0.3604



49.9257, 0.3360, 0.2491



49.9257, 0.3490, 0.4665

Square

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



49.9257, 0.3360, 0.2491



49.9257, 0.4551, 0.4010



49.9257, 0.2777, 0.4342



49.9257, 0.1860, 0.2363

Rectangle

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



49.9257, 0.3360, 0.2491



49.9257, 0.4448, 0.3276



49.9257, 0.2777, 0.4342



49.9257, 0.1955, 0.3083

Sweetspot

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



49.9231, 0.3360, 0.2491



81.5882, 0.3184, 0.3056



38.9312, 0.2523, 0.2100



17.0733, 0.3191, 0.3030



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.



49.9231, 0.3360, 0.2491



43.5587, 0.3421, 0.2341



47.4854, 0.3833, 0.2972



18.2292, 0.3171, 0.3106



13.3091, 0.3846, 0.1892



1.3118, 0.3758, 0.1844

Inverse Universe

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



49.9231, 0.3360, 0.2491



43.5587, 0.3421, 0.2341



83.6955, 0.2716, 0.3643



18.2292, 0.3171, 0.3106



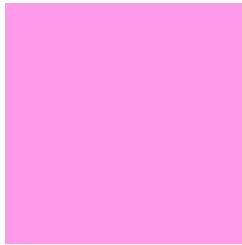
13.3091, 0.3846, 0.1892



1.3118, 0.3758, 0.1844

Previews

White Background



This preview shows how the Yxy color 49.9257, 0.3360, 0.2491 looks on a white background.

Color Contrast Check

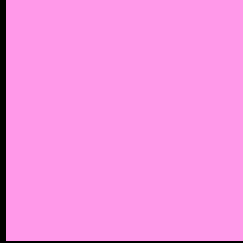
Large Text (above 18pt) WCAG AA × Fail

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 49.9257, 0.3360, 0.2491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

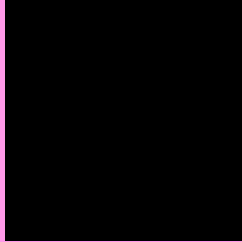
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.9257, 0.3360, 0.2491

Background



This preview shows how black text looks on a background with the Yxy color 49.9257, 0.3360, 0.2491.

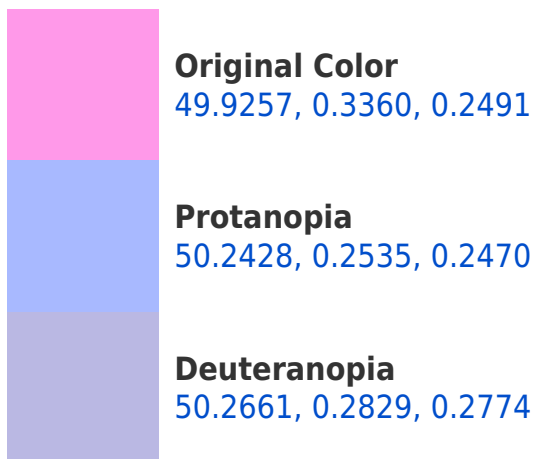


This preview shows how white text looks on a background with the Yxy color 49.9257, 0.3360, 0.2491.

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

49.6817, 0.3801, 0.3152

Trichromacy



Original Color

49.9257, 0.3360, 0.2491



Protanomaly

48.8819, 0.2792, 0.2457



Deuteranomaly

49.3932, 0.3007, 0.2655



Tritanomaly

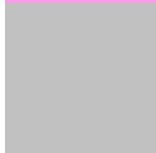
49.6821, 0.3646, 0.2901

Monochromacy



Original Color

49.9257, 0.3360, 0.2491



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

50.9938, 0.3212, 0.2944

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9257, 0.3360, 0.2491 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, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 233)  
}
```

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, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 233) }
```

Border

The CSS property to change the border of an element to Yxy 49.9257, 0.3360, 0.2491 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, 233) }
```

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

```
.border{ border-color:rgb(255, 153, 233) }
```

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, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9257, 0.3360, 0.2491 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, 233) }
```

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

```
.background{ background-color: rgb(255,  
153, 233) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor