

# Converting Colors

$Y_{xy}(48.9915, 0.3516, 0.2650)$

Have a look what the booklet for  
Yxy(48.9915, 0.3516, 0.2650)  
contains.

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# Color

**Yxy(49.0003, 0.3514, 0.2648)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF99D8
RGB	255, 153, 216
RGB Percent	100%, 60%, 85%
CMY	0.0001, 0.4000, 0.1528
CMYK	0.00, 0.40, 0.15, 0.00
HSL	323°, 100%, 80%
HSV	323°, 40%, 100%
XYZ	65.0253, 49.0003, 71.0208
YIQ	190.6800, 40.5690, 41.2170

# Conversions

## Conversions Part 2

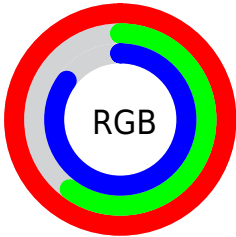
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 153, 216
Decimal	16751064
CIE <sub>Lab</sub>	75.45, 46.39, -15.77
CIE <sub>LCh</sub>	75, 48.994, 341.219
Yxy	49.0003, 0.3514, 0.2648
Android (android.graphics.Color)	4294941144 (0xFFFF99D8)
YUV	190.6800, 12.4828, 56.4086
Hunter-Lab	70.0002, 43.3137, -11.1543

# Details

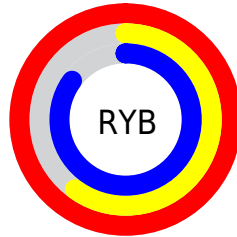
The Yxy color **49.0003, 0.3514, 0.2648** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **82.0877, 0.2876, 0.4042**, and the grayscale version is **51.8166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0809, 0.3148, 0.2841**, and **23.3672, 0.3619, 0.2493** is the 20% darker color. If you saturate the color by 10%, you get **41.0390, 0.3653, 0.2496**, and if you desaturate by 10%, it is **58.7793, 0.3393, 0.2811**.

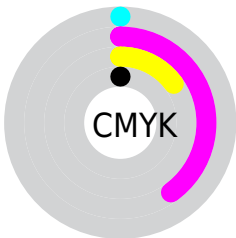
# Distribution



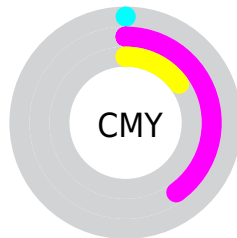
- Red (100%)
- Green (60%)
- Blue (85%)



- Red (100%)
- Yellow (60%)
- Blue (85%)



- Cyan (0%)
- Magenta (40%)
- Yellow (15%)
- Black (0%)




- Cyan (0%)
- Magenta (40%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.0003, 0.3514, 0.2648 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 49.0003, 0.3514, 0.2648 by changing the saturation by 10% instead.





 49.0003, 0.3514,  
0.2648


 49.0003, 0.3514,  
0.2648

382.7435, 0.3331,  
0.2948

 34.6197, 0.3557,  
0.2579


 88.6919, 0.3450,  
0.2753

 23.3701, 0.3610,  
0.2493


 114.7717, 0.3425,  
0.2793

 14.8670, 0.3678,  
0.2385


145.5200, 0.3404,  
0.2828

 8.7261, 0.3768,  
0.2242

181.3213, 0.3385,  
0.2858

 4.5630, 0.3892,  
0.2049

222.5599, 0.3369,  
0.2885

 1.9932, 0.4074,  
0.1773

269.6202, 0.3355,

 0.6035, 0.4389,

0.2909

0.1301

322.8866, 0.3342,  
0.2930

0.0000, 0.5411,  
0.0000

0.0000, 0.0000,  
0.0000

49.0003, 0.3514,  
0.2648

49.0003, 0.3514,  
0.2648

41.0390, 0.3653,  
0.2496

58.7793, 0.3393,  
0.2811

34.7734, 0.3808,  
0.2364

70.4741, 0.3289,  
0.2975

30.0774, 0.3976,  
0.2265

84.1839, 0.3201,  
0.3136

26.8038, 0.4151,  
0.2209

99.9967, 0.3127,  
0.3290

■ 24.7775, 0.4327, 99.9972, 0.3127,  
0.2206 0.3290

■ 23.7126, 0.4497,  
0.2251

■ 23.7119, 0.4497,  
0.2251

# Harmonies

## Analogous

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



49.0003, 0.2833, 0.2354



49.0003, 0.3514, 0.2648



49.0003, 0.4136, 0.3081

# Triad

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



49.0003, 0.3514, 0.2648



49.0003, 0.3927, 0.4446



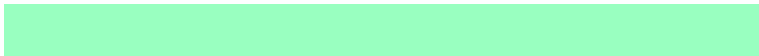
49.0003, 0.1960, 0.2769

# Complementary

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



49.0003, 0.3514, 0.2648



82.0877, 0.2876, 0.4042

# 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.



49.0003, 0.2187, 0.3399



49.0003, 0.3514, 0.2648



49.0003, 0.3305, 0.4493

# Square

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



49.0003, 0.3514, 0.2648



49.0003, 0.4360, 0.4078



49.0003, 0.2669, 0.4087



49.0003, 0.2002, 0.2380



# Rectangle

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



49.0003, 0.3514, 0.2648



49.0003, 0.4392, 0.3413



49.0003, 0.2669, 0.4087



49.0003, 0.2006, 0.2956

# Sweetspot

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



49.0026, 0.3514, 0.2648



81.2765, 0.3217, 0.3105



41.0035, 0.2650, 0.2140



16.9997, 0.3228, 0.3084



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.



49.0026, 0.3514, 0.2648



42.4921, 0.3624, 0.2525



46.8183, 0.4007, 0.3150



18.1759, 0.3197, 0.3144



12.4217, 0.4470, 0.2236



1.2308, 0.4287, 0.2135



# Inverse Universe

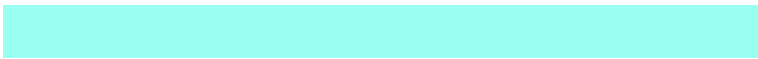
The Inverse Universe completely reimagines the original color for something new.



49.0026, 0.3514, 0.2648



42.4921, 0.3624, 0.2525



84.6579, 0.2636, 0.3442



18.1759, 0.3197, 0.3144



12.4217, 0.4470, 0.2236



1.2308, 0.4287, 0.2135



# Previews

## White Background



This preview shows how the Yxy color 49.0003, 0.3514, 0.2648 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

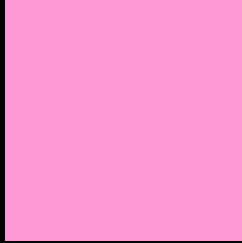
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.0003, 0.3514, 0.2648 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 49.0003, 0.3514, 0.2648**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.0003, 0.3514, 0.2648.

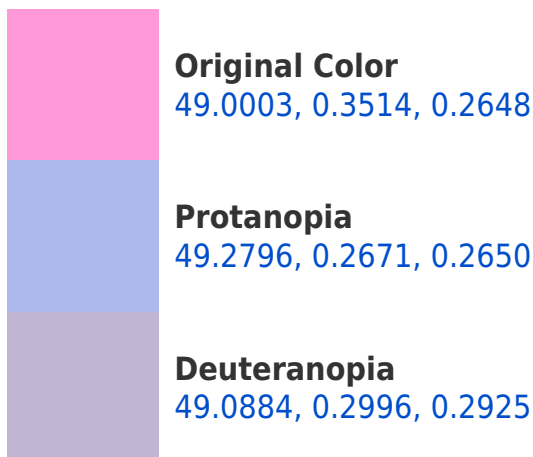


This preview shows how white text looks on a background with the Yxy color 49.0003, 0.3514, 0.2648.

# 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

48.8309, 0.3868, 0.3164

# Trichromacy



## Original Color

49.0003, 0.3514, 0.2648



## Protanomaly

48.2408, 0.2942, 0.2642



## Deuteranomaly

48.5288, 0.3176, 0.2808



## Tritanomaly

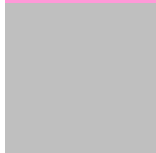
48.8233, 0.3737, 0.2964

# Monochromacy



## Original Color

49.0003, 0.3514, 0.2648



## Achromatopsia

52.0996, 0.3127, 0.3290



## Achromatomaly

49.9106, 0.3261, 0.3021

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.0003, 0.3514, 0.2648 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, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 216)  
}
```

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, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 49.0003, 0.3514, 0.2648 is called "border". The border property can be set on classes, ids or directly on the HTML element.

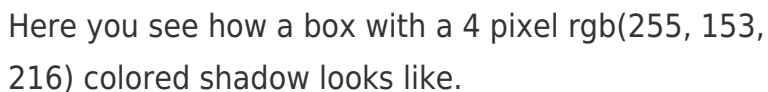
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 153, 216) }
```

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

```
.border{ border-color:rgb(255, 153, 216) }
```

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, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 153, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 153, 216); box-shadow:4px 4px 4px 4px rgb(255, 153, 216) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.0003, 0.3514, 0.2648 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, 216) }
```

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

```
.background{ background-color: rgb(255,  
153, 216) }
```

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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