

# Converting Colors

$Y_{xy}(48.4778, 0.3614, 0.2750)$

Have a look what the booklet for  
Yxy(48.4778, 0.3614, 0.2750)  
contains.

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# Color

**Yxy(48.4987, 0.3610, 0.2745)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF99CE
RGB	255, 153, 206
RGB Percent	100%, 60%, 81%
CMY	0.0000, 0.4001, 0.1921
CMYK	0.00, 0.40, 0.19, 0.00
HSL	329°, 100%, 80%
HSV	329°, 40%, 100%
XYZ	63.7815, 48.4987, 64.3999
YIQ	189.5400, 43.7790, 38.1070

# Conversions

## Conversions Part 2

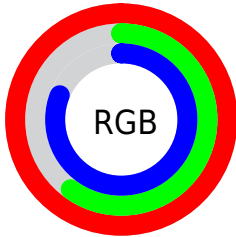
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 153, 206
Decimal	16751054
CIE <sub>Lab</sub>	75.14, 44.91, -10.75
CIE <sub>LCh</sub>	75, 46.176, 346.541
Yxy	48.4987, 0.3610, 0.2745
Android (android.graphics.Color)	4294941134 (0xFFFF99CE)
YUV	189.5400, 8.1148, 57.4084
Hunter-Lab	69.6410, 41.6096, -6.0792

# Details

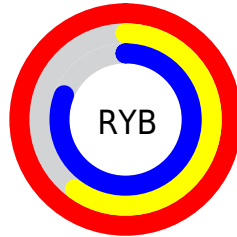
The Yxy color **48.4987, 0.3610, 0.2745** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **82.5540, 0.2826, 0.3917**, and the grayscale version is **51.1433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0809, 0.3148, 0.2841**, and **22.9264, 0.3729, 0.2599** is the 20% darker color. If you saturate the color by 10%, you get **40.4494, 0.3789, 0.2615**, and if you desaturate by 10%, it is **58.3703, 0.3456, 0.2884**.

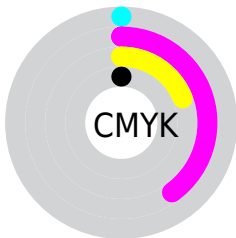
# Distribution



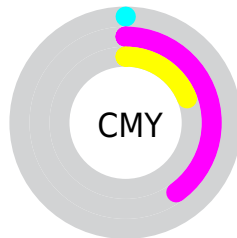
- Red (100%)
- Green (60%)
- Blue (81%)



- Red (100%)
- Yellow (60%)
- Blue (81%)



- Cyan (0%)
- Magenta (40%)
- Yellow (19%)
- Black (0%)



- Cyan (0%)
- Magenta (40%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4987, 0.3610, 0.2745 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 48.4987, 0.3610, 0.2745 by changing the saturation by 10% instead.





 48.4987, 0.3610,  
0.2745

 48.4987, 0.3610,  
0.2745


380.7655, 0.3376,  
0.3004

 34.2220, 0.3666,  
0.2684


 87.9465, 0.3527,  
0.2836

 23.0642, 0.3736,  
0.2609


 113.8863, 0.3495,  
0.2871

 14.6409, 0.3828,  
0.2512

144.4826, 0.3468,  
0.2901

 8.5678, 0.3952,  
0.2384

180.1198, 0.3445,  
0.2927

 4.4603, 0.4127,  
0.2206

221.1823, 0.3424,  
0.2950

 1.9343, 0.4394,  
0.1945

268.0545, 0.3406,

 0.5689, 0.4890,

0.2970

0.1454

321.1207, 0.3391,  
0.2988

0.0000, 0.7796,  
0.0000

0.0000, 0.0000,  
0.0000

48.4987, 0.3610,  
0.2745

48.4987, 0.3610,  
0.2745

40.4494, 0.3789,  
0.2615

58.3703, 0.3456,  
0.2884

34.1178, 0.3992,  
0.2505

70.1808, 0.3326,  
0.3024

29.3712, 0.4216,  
0.2426

84.0242, 0.3217,  
0.3160

26.0619, 0.4452,  
0.2392

99.9910, 0.3127,  
0.3290

■ 24.0140, 0.4689,  
0.2411

100.0000, 0.3127,  
0.3290

■ 22.9410, 0.4916,  
0.2482

# Harmonies

## Analogous

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



48.4987, 0.2959, 0.2435



48.4987, 0.3610, 0.2745



48.4987, 0.4160, 0.3178

# Triad

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



48.4987, 0.3610, 0.2745



48.4987, 0.3794, 0.4421



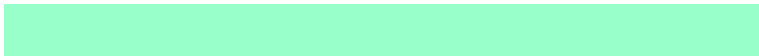
48.4987, 0.2004, 0.2715

# Complementary

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



48.4987, 0.3610, 0.2745



82.5540, 0.2826, 0.3917

# 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.



48.4987, 0.2177, 0.3279



48.4987, 0.3610, 0.2745



48.4987, 0.3190, 0.4385

# Square

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



48.4987, 0.3610, 0.2745



48.4987, 0.4246, 0.4120



48.4987, 0.2599, 0.3936



48.4987, 0.2088, 0.2387



# Rectangle

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



48.4987, 0.3610, 0.2745



48.4987, 0.4360, 0.3500



48.4987, 0.2599, 0.3936



48.4987, 0.2033, 0.2880

# Sweetspot

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



48.4949, 0.3610, 0.2745



81.0960, 0.3237, 0.3134



42.3592, 0.2729, 0.2164



16.9572, 0.3251, 0.3116



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.



48.4949, 0.3610, 0.2745



41.9215, 0.3751, 0.2640



46.4515, 0.4113, 0.3257



18.1448, 0.3212, 0.3167



12.0176, 0.4880, 0.2462



1.1922, 0.4637, 0.2328



# Inverse Universe

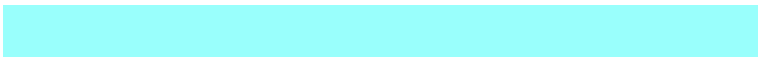
The Inverse Universe completely reimagines the original color for something new.



48.4949, 0.3610, 0.2745



41.9215, 0.3751, 0.2640



85.2939, 0.2590, 0.3326



18.1448, 0.3212, 0.3167



12.0176, 0.4880, 0.2462



1.1922, 0.4637, 0.2328



# Previews

## White Background



This preview shows how the Yxy color 48.4987, 0.3610, 0.2745 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

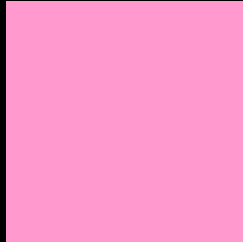
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.4987, 0.3610, 0.2745 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 48.4987, 0.3610, 0.2745**

## Background



This preview shows how black text looks on a background with the Yxy color 48.4987, 0.3610, 0.2745.



This preview shows how white text looks on a background with the Yxy color 48.4987, 0.3610, 0.2745.

# 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

48.4987, 0.3610, 0.2745

### Protanopia

49.0021, 0.2762, 0.2775

### Deuteranopia

48.5953, 0.3097, 0.3033



## Tritanopia

48.2458, 0.3904, 0.3164

# Trichromacy



## Original Color

48.4987, 0.3610, 0.2745



## Protanomaly

47.9807, 0.3034, 0.2752



## Deuteranomaly

47.8130, 0.3269, 0.2907



## Tritanomaly

48.2701, 0.3790, 0.3006

# Monochromacy



## Original Color

48.4987, 0.3610, 0.2745



## Achromatopsia

51.4918, 0.3127, 0.3290



## Achromatomaly

49.7259, 0.3294, 0.3067

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.4987, 0.3610, 0.2745 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, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 206)  
}
```

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, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 48.4987, 0.3610, 0.2745 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, 206) }
```

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

```
.border{ border-color:rgb(255, 153, 206) }
```

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, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.4987, 0.3610, 0.2745 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, 206) }
```

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

```
.background{ background-color: rgb(255,  
153, 206) }
```

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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