

# Converting Colors

$Y_{xy}(48.3712, 0.3635, 0.2771)$

Have a look what the booklet for  
Yxy(48.3712, 0.3635, 0.2771)  
contains.

<b>Yxy(48.3543, 0.3639, 0.2775)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(48.3543, 0.3639, 0.2775)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF99CB
RGB	255, 153, 203
RGB Percent	100%, 60%, 80%
CMY	0.0000, 0.4000, 0.2040
CMYK	0.00, 0.40, 0.20, 0.00
HSL	331°, 100%, 80%
HSV	331°, 40%, 100%
XYZ	63.4095, 48.3543, 62.4860
YIQ	189.1980, 44.7420, 37.1740

# Conversions

## Conversions Part 2

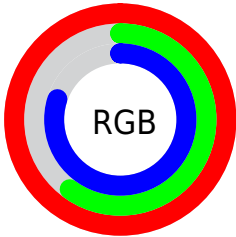
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 153, 203
Decimal	16751051
CIE <sub>Lab</sub>	75.05, 44.45, -9.22
CIE <sub>LCh</sub>	75, 45.392, 348.276
Yxy	48.3543, 0.3639, 0.2775
Android (android.graphics.Color)	4294941131 (0xFFFF99CB)
YUV	189.1980, 6.8044, 57.7084
Hunter-Lab	69.5373, 41.0800, -4.6017

# Details

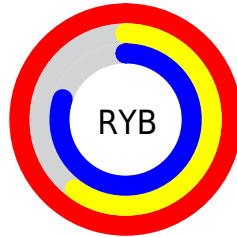
The Yxy color **48.3543, 0.3639, 0.2775** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **82.7010, 0.2811, 0.3879**, and the grayscale version is **50.9508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0809, 0.3148, 0.2841**, and **23.0200, 0.3768, 0.2648** is the 20% darker color. If you saturate the color by 10%, you get **40.2876, 0.3831, 0.2652**, and if you desaturate by 10%, it is **58.2610, 0.3475, 0.2906**.

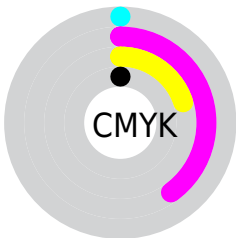
# Distribution



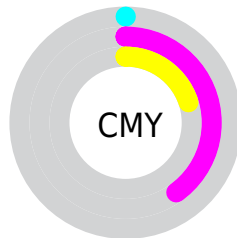
- Red (100%)
- Green (60%)
- Blue (80%)



- Red (100%)
- Yellow (60%)
- Blue (80%)



- Cyan (0%)
- Magenta (40%)
- Yellow (20%)
- Black (0%)




- Cyan (0%)
- Magenta (40%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.3543, 0.3639, 0.2775 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 48.3543, 0.3639, 0.2775 by changing the saturation by 10% instead.





 48.3543, 0.3639,  
0.2775


 48.3543, 0.3639,  
0.2775

380.1948, 0.3390,  
0.3021

 34.1075, 0.3699,  
0.2717

 87.7317, 0.3550,  
0.2862

 22.9762, 0.3775,  
0.2645


 113.6311, 0.3516,  
0.2895

 14.5760, 0.3874,  
0.2552


144.1836, 0.3487,  
0.2923

 8.5223, 0.4007,  
0.2428

179.7734, 0.3463,  
0.2948

 4.4310, 0.4199,  
0.2255

220.7851, 0.3441,  
0.2970

 1.9174, 0.4493,  
0.2000

267.6029, 0.3422,

 0.5588, 0.5048,

0.2989

0.1502

320.6113, 0.3405,  
0.3006

0.0000, 0.9217,  
0.0000

0.0000, 0.0000,  
0.0000

48.3543, 0.3639,  
0.2775

48.3543, 0.3639,  
0.2775

40.2876, 0.3831,  
0.2652

58.2610, 0.3475,  
0.2906

33.9381, 0.4050,  
0.2549

70.1067, 0.3337,  
0.3039

29.1789, 0.4291,  
0.2477

83.9911, 0.3222,  
0.3168

25.8620, 0.4546,  
0.2449

99.9998, 0.3127,  
0.3290

■ 23.8114, 0.4801,  
0.2475

■ 22.7400, 0.5044,  
0.2552

■ 22.7397, 0.5044,  
0.2552

# Harmonies

## Analogous

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



48.3543, 0.2998, 0.2460



48.3543, 0.3639, 0.2775



48.3543, 0.4167, 0.3207

# Triad

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



48.3543, 0.3639, 0.2775



48.3543, 0.3754, 0.4412



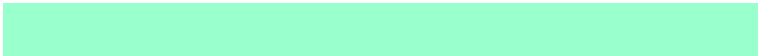
48.3543, 0.2018, 0.2700

# Complementary

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



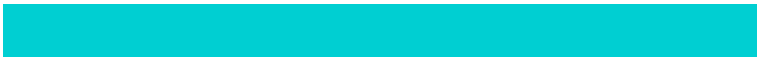
48.3543, 0.3639, 0.2775



82.7010, 0.2811, 0.3879

# 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.



48.3543, 0.2175, 0.3243



48.3543, 0.3639, 0.2775



48.3543, 0.3154, 0.4351

# Square

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



48.3543, 0.3639, 0.2775



48.3543, 0.4211, 0.4132



48.3543, 0.2578, 0.3890



48.3543, 0.2115, 0.2389



# Rectangle

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



48.3543, 0.3639, 0.2775



48.3543, 0.4350, 0.3526



48.3543, 0.2578, 0.3890



48.3543, 0.2041, 0.2858

# Sweetspot

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



48.3566, 0.3639, 0.2775



81.0420, 0.3243, 0.3143



42.8432, 0.2756, 0.2173



16.9445, 0.3258, 0.3126



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.



48.3566, 0.3639, 0.2775



41.7576, 0.3790, 0.2676



46.3453, 0.4148, 0.3293



18.1355, 0.3217, 0.3174



11.9121, 0.5007, 0.2532



1.1818, 0.4747, 0.2389



# Inverse Universe

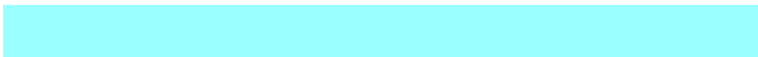
The Inverse Universe completely reimagines the original color for something new.



48.3566, 0.3639, 0.2775



41.7576, 0.3790, 0.2676



85.5124, 0.2574, 0.3288



18.1355, 0.3217, 0.3174



11.9121, 0.5007, 0.2532

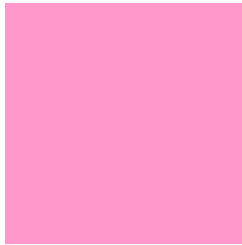


1.1818, 0.4747, 0.2389



# Previews

## White Background



This preview shows how the Yxy color 48.3543, 0.3639, 0.2775 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

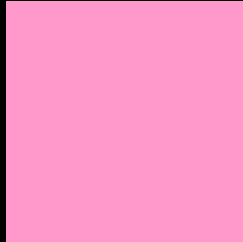
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.3543, 0.3639, 0.2775 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

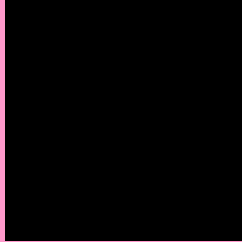
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.3543, 0.3639, 0.2775**

## Background



This preview shows how black text looks on a background with the Yxy color 48.3543, 0.3639, 0.2775.



This preview shows how white text looks on a background with the Yxy color 48.3543, 0.3639, 0.2775.

# 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

48.3543, 0.3639, 0.2775

### Protanopia

48.9558, 0.2789, 0.2810

### Deuteranopia

48.5901, 0.3129, 0.3069



## Tritanopia

48.4320, 0.3913, 0.3165

# Trichromacy



## Original Color

48.3543, 0.3639, 0.2775



## Protanomaly

47.8241, 0.3057, 0.2784



## Deuteranomaly

47.8250, 0.3304, 0.2942



## Tritanomaly

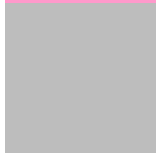
48.4155, 0.3809, 0.3017

# Monochromacy



## Original Color

48.3543, 0.3639, 0.2775



## Achromatopsia

50.8881, 0.3127, 0.3290



## Achromatomaly

49.0918, 0.3304, 0.3077

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.3543, 0.3639, 0.2775 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, 203)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 203)  
}
```

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, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 48.3543, 0.3639, 0.2775 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, 203) }
```

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

```
.border{ border-color:rgb(255, 153, 203) }
```

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, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 203);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.3543, 0.3639, 0.2775 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, 203) }
```

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

```
.background{ background-color: rgb(255,  
153, 203) }
```

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