

# Converting Colors

$Y_{xy}(44.3214, 0.3681, 0.2665)$

Have a look what the booklet for  
Yxy(44.3214, 0.3681, 0.2665)  
contains.

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# Color

**Yxy(44.2332, 0.3685, 0.2665)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8CC9
RGB	255, 140, 201
RGB Percent	100%, 55%, 79%
CMY	0.0000, 0.4510, 0.2117
CMYK	0.00, 0.45, 0.21, 0.00
HSL	328°, 100%, 77%
HSV	328°, 45%, 100%
XYZ	61.1630, 44.2332, 60.5821
YIQ	181.3390, 48.9590, 43.3510

# Conversions

## Conversions Part 2

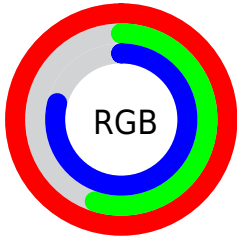
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 140, 201
Decimal	16747721
CIE Lab	72.38, 50.71, -12.11
CIE LCh	72, 52.132, 346.567
Yxy	44.2332, 0.3685, 0.2665
Android (android.graphics.Color)	4294937801 (0xFFFF8CC9)
YUV	181.3390, 9.6929, 64.6007
Hunter-Lab	66.5080, 47.7654, -7.4515

# Details

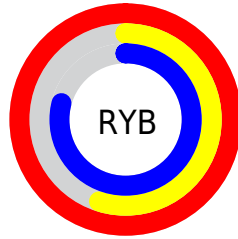
The Yxy color **44.2332, 0.3685, 0.2665** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **80.9901, 0.2802, 0.4029**, and the grayscale version is **46.3290, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9599, 0.3154, 0.2712**, and **20.4979, 0.3835, 0.2507** is the 20% darker color. If you saturate the color by 10%, you get **37.0844, 0.3872, 0.2541**, and if you desaturate by 10%, it is **53.1552, 0.3522, 0.2803**.

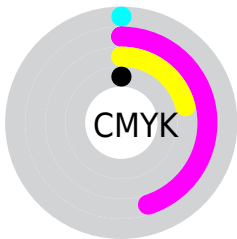
# Distribution



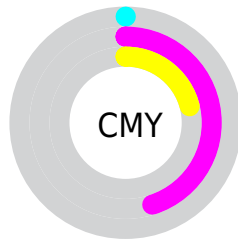
- Red (100%)
- Green (55%)
- Blue (79%)



- Red (100%)
- Yellow (55%)
- Blue (79%)



- Cyan (0%)
- Magenta (45%)
- Yellow (21%)
- Black (0%)




- Cyan (0%)
- Magenta (45%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.2332, 0.3685, 0.2665 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 44.2332, 0.3685, 0.2665 by changing the saturation by 10% instead.





 44.2332, 0.3685,  
0.2665


 44.2332, 0.3685,  
0.2665

363.6591, 0.3412,  
0.2964

 30.8539, 0.3751,  
0.2594


 81.5685, 0.3587,  
0.2771

 20.4876, 0.3835,  
0.2506


 106.2933, 0.3550,  
0.2811

 12.7500, 0.3944,  
0.2393


135.5688, 0.3519,  
0.2846

 7.2566, 0.4093,  
0.2242

169.7792, 0.3491,  
0.2876

 3.6231, 0.4306,  
0.2032

209.3091, 0.3468,  
0.2902

 1.4650, 0.4635,  
0.1723

254.5427, 0.3447,

 0.2639, 0.5423,

0.2925

0.0858

305.8646, 0.3429,  
0.2946

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

44.2332, 0.3685,  
0.2665

44.2332, 0.3685,  
0.2665

37.0844, 0.3872,  
0.2541

53.1552, 0.3522,  
0.2803

31.5825, 0.4080,  
0.2443

63.9565, 0.3384,  
0.2946

27.5913, 0.4305,  
0.2383

76.7397, 0.3267,  
0.3088

24.9507, 0.4536,  
0.2373

91.5988, 0.3170,  
0.3224

■ 23.4632, 0.4762,  
0.2418

100.0000, 0.3127,  
0.3290

■ 23.0176, 0.4869,  
0.2456

# Harmonies

## Analogous

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



44.2332, 0.2927, 0.2318



44.2332, 0.3685, 0.2665



44.2332, 0.4332, 0.3149

# Triad

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



44.2332, 0.3685, 0.2665



44.2332, 0.3880, 0.4600



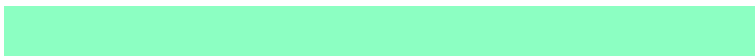
44.2332, 0.1847, 0.2614

# Complementary

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



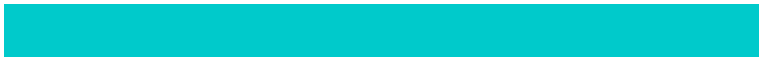
44.2332, 0.3685, 0.2665



80.9901, 0.2802, 0.4029

# 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.



44.2332, 0.2035, 0.3265



44.2332, 0.3685, 0.2665



44.2332, 0.3183, 0.4584

# Square

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



44.2332, 0.3685, 0.2665



44.2332, 0.4410, 0.4224



44.2332, 0.2508, 0.4051



44.2332, 0.1943, 0.2252



# Rectangle

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



44.2332, 0.3685, 0.2665



44.2332, 0.4561, 0.3510



44.2332, 0.2508, 0.4051



44.2332, 0.1878, 0.2801

# Sweetspot

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



44.2346, 0.3685, 0.2665



78.2670, 0.3256, 0.3103



37.4023, 0.2663, 0.2009



16.1146, 0.3279, 0.3073



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.



44.2346, 0.3685, 0.2665



37.7860, 0.3850, 0.2554



42.0254, 0.4308, 0.3254



18.1482, 0.3211, 0.3165



12.0577, 0.4835, 0.2437



1.1961, 0.4598, 0.2307



# Inverse Universe

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



44.2346, 0.3685, 0.2665



37.7860, 0.3850, 0.2554



84.0712, 0.2537, 0.3332



18.1482, 0.3211, 0.3165



12.0577, 0.4835, 0.2437

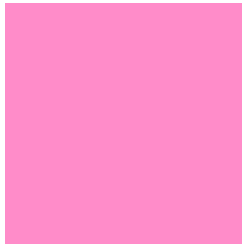


1.1961, 0.4598, 0.2307



# Previews

## White Background



This preview shows how the Yxy color 44.2332, 0.3685, 0.2665 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

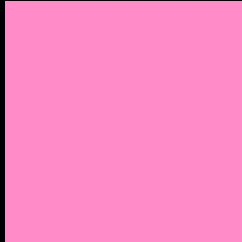
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.2332, 0.3685, 0.2665 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 44.2332, 0.3685, 0.2665**

## Background



This preview shows how black text looks on a background with the Yxy color 44.2332, 0.3685, 0.2665.

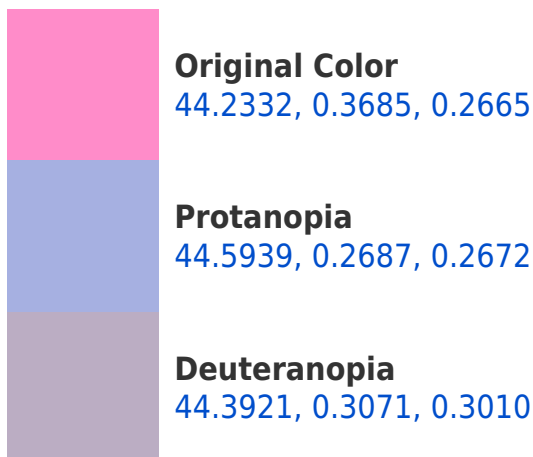


This preview shows how white text looks on a background with the Yxy color 44.2332, 0.3685, 0.2665.

# 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

44.1922, 0.4069, 0.3175

# Trichromacy



## Original Color

44.2332, 0.3685, 0.2665



## Protanomaly

43.1580, 0.2999, 0.2653



## Deuteranomaly

43.5180, 0.3286, 0.2861



## Tritanomaly

44.0022, 0.3929, 0.2985

# Monochromacy



## Original Color

44.2332, 0.3685, 0.2665



## Achromatopsia

46.2077, 0.3127, 0.3290



## Achromatomaly

44.3132, 0.3324, 0.3023

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.2332, 0.3685, 0.2665 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, 140, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 201)  
}
```

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, 140, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 44.2332, 0.3685, 0.2665 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, 140, 201) }
```

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

```
.border{ border-color:rgb(255, 140, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 140, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 140, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 140, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 140,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.2332, 0.3685, 0.2665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 140, 201) }
```

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

```
.background{ background-color: rgb(255,  
140, 201) }
```

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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