

# Converting Colors

$Y_{xy}(51.0125, 0.3732, 0.2534)$

Have a look what the booklet for  
Yxy(51.0125, 0.3732, 0.2534)  
contains.

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# Color

**Yxy(44.9992, 0.3477, 0.2458)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8BDE
RGB	255, 139, 222
RGB Percent	100%, 55%, 87%
CMY	0.0000, 0.4549, 0.1295
CMYK	0.00, 0.45, 0.13, 0.00
HSL	317°, 100%, 77%
HSV	317°, 45%, 100%
XYZ	63.6543, 44.9992, 74.4189
YIQ	183.1460, 42.4930, 50.4050

# Conversions

## Conversions Part 2

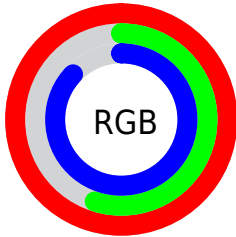
Format	Color
R <sub>Y</sub> B	255, 139, 222
Decimal	16747486
CIE Lab	72.89, 54.30, -22.91
CIE LCh	73, 58.938, 337.124
Yxy	44.9992, 0.3477, 0.2458
Android (android.graphics.Color)	4294937566 (0xFFFF8BDE)
YUV	183.1460, 19.1550, 63.0160
Hunter-Lab	67.0814, 51.9880, -18.8182

# Details

The Yxy color **44.9992, 0.3477, 0.2458** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.9901, 0.2903, 0.4312**, and the grayscale version is **47.3153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.5102, 0.3155, 0.2703**, and **20.8664, 0.3553, 0.2253** is the 20% darker color. If you saturate the color by 10%, you get **38.0764, 0.3584, 0.2296**, and if you desaturate by 10%, it is **53.6649, 0.3380, 0.2637**.

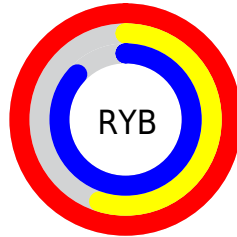
# Distribution



Red (100%)

Green (55%)

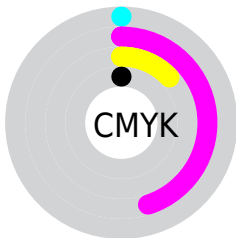
Blue (87%)



Red (100%)

Yellow (55%)

Blue (87%)

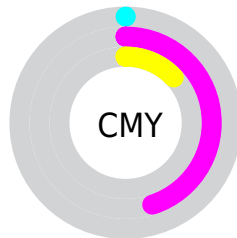


Cyan (0%)

Magenta (45%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (45%)


Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9992, 0.3477, 0.2458 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 44.9992, 0.3477, 0.2458 by changing the saturation by 10% instead.





 44.9992, 0.3477,  
0.2458

 44.9992, 0.3477,  
0.2458


366.7703, 0.3316,  
0.2844


 31.4568, 0.3513,  
0.2370

 82.7192, 0.3421,  
0.2592

 20.9469, 0.3558,  
0.2262


 107.6656, 0.3400,  
0.2644

 13.0852, 0.3614,  
0.2125

 137.1821, 0.3381,  
0.2689

 7.4873, 0.3685,  
0.1949

171.6532, 0.3365,  
0.2728

 3.7686, 0.3780,  
0.1714

211.4631, 0.3350,  
0.2763

 1.5450, 0.3908,  
0.1388

256.9963, 0.3337,

 0.3201, 0.4182,

0.2793

0.0704

308.6373, 0.3326,  
0.2820

■ 0.0000, 0.4367,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 44.9992, 0.3477,  
0.2458

■ 44.9992, 0.3477,  
0.2458

■ 38.0764, 0.3584,  
0.2296

■ 53.6649, 0.3380,  
0.2637

■ 32.7686, 0.3699,  
0.2163

■ 64.1772, 0.3295,  
0.2824

■ 28.9403, 0.3820,  
0.2069

■ 76.6390, 0.3221,  
0.3012

■ 26.4310, 0.3940,  
0.2022

■ 91.1440, 0.3158,  
0.3194

■ 25.0424, 0.4058,  
0.2025

100.0000, 0.3127,  
0.3290

■ 24.6536, 0.4110,  
0.2038

# Harmonies

## Analogous

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



44.9992, 0.2657, 0.2142



44.9992, 0.3477, 0.2458



44.9992, 0.4286, 0.2945

# Triad

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



44.9992, 0.3477, 0.2458



44.9992, 0.4164, 0.4641



44.9992, 0.1745, 0.2719

# Complementary

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



44.9992, 0.3477, 0.2458



79.9901, 0.2903, 0.4312

# 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.



44.9992, 0.2043, 0.3533



44.9992, 0.3477, 0.2458



44.9992, 0.3424, 0.4825

# Square

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



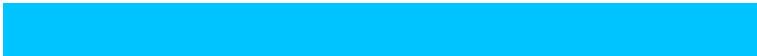
44.9992, 0.3477, 0.2458



44.9992, 0.4666, 0.4125



44.9992, 0.2646, 0.4404



44.9992, 0.1758, 0.2225



# Rectangle

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



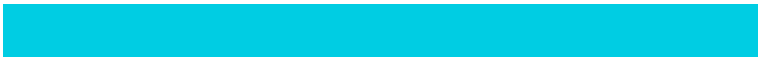
44.9992, 0.3477, 0.2458



44.9992, 0.4644, 0.3325



44.9992, 0.2646, 0.4404



44.9992, 0.1809, 0.2960

# Sweetspot

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



45.0013, 0.3477, 0.2458



78.6622, 0.3211, 0.3039



34.4454, 0.2492, 0.1939



16.2111, 0.3226, 0.2999



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.



45.0013, 0.3477, 0.2458



38.3742, 0.3579, 0.2304



42.4143, 0.4086, 0.3030



18.2070, 0.3182, 0.3121



12.9090, 0.4092, 0.2028



1.2757, 0.3967, 0.1959



# Inverse Universe

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



45.0013, 0.3477, 0.2458



38.3742, 0.3579, 0.2304



82.7159, 0.2627, 0.3582



18.2070, 0.3182, 0.3121



12.9090, 0.4092, 0.2028



1.2757, 0.3967, 0.1959



# Previews

## White Background



This preview shows how the Yxy color 44.9992, 0.3477, 0.2458 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

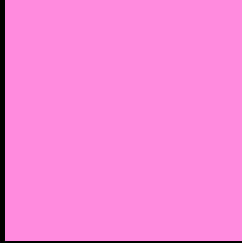
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.9992, 0.3477, 0.2458 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 44.9992, 0.3477, 0.2458**

## Background



This preview shows how black text looks on a background with the Yxy color 44.9992, 0.3477, 0.2458.



This preview shows how white text looks on a background with the Yxy color 44.9992, 0.3477, 0.2458.

# 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

44.9992, 0.3477, 0.2458

### Protanopia

45.5145, 0.2479, 0.2406

### Deuteranopia

45.2015, 0.2845, 0.2777



## Tritanopia

44.7340, 0.3987, 0.3163

# Trichromacy



## Original Color

44.9992, 0.3477, 0.2458



## Protanomaly

43.8231, 0.2779, 0.2397



## Deuteranomaly

44.1680, 0.3061, 0.2635



## Tritanomaly

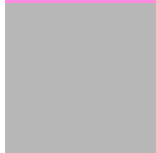
44.8374, 0.3808, 0.2900

# Monochromacy



## Original Color

44.9992, 0.3477, 0.2458



## Achromatopsia

47.3531, 0.3127, 0.3290



## Achromatomaly

45.2240, 0.3252, 0.2930

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.9992, 0.3477, 0.2458 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, 139, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 139, 222)  
}
```

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, 139, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 139, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 44.9992, 0.3477, 0.2458 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, 139, 222) }
```

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

```
.border{ border-color:rgb(255, 139, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 139, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 139, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 139, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 139,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.9992, 0.3477, 0.2458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 139, 222) }
```

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

```
.background{ background-color: rgb(255,  
139, 222) }
```

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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