

# Converting Colors

$Y_{xy}(56.6801, 0.3929, 0.2546)$

Have a look what the booklet for  
Yxy(56.6801, 0.3929, 0.2546)  
contains.

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# Color

**Yxy(44.6423, 0.3441, 0.2403)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF89E2
RGB	255, 137, 226
RGB Percent	100%, 54%, 89%
CMY	0.0000, 0.4628, 0.1137
CMYK	0.00, 0.46, 0.11, 0.00
HSL	315°, 100%, 77%
HSV	315°, 46%, 100%
XYZ	63.9260, 44.6423, 77.2091
YIQ	182.4280, 41.7590, 52.6950

# Conversions

## Conversions Part 2

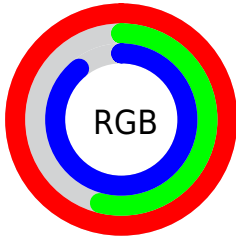
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 137, 226
Decimal	16746978
CIE <sub>Lab</sub>	72.66, 55.94, -25.49
CIE <sub>LCh</sub>	73, 61.474, 335.501
Yxy	44.6423, 0.3441, 0.2403
Android (android.graphics.Color)	4294937058 (0xFFFF89E2)
YUV	182.4280, 21.4810, 63.6456
Hunter-Lab	66.8149, 53.8561, -21.7431

# Details

The Yxy color **44.6423, 0.3441, 0.2403** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.5881, 0.2923, 0.4393**, and the grayscale version is **46.8801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6199, 0.3156, 0.2683**, and **20.6726, 0.3515, 0.2199** is the 20% darker color. If you saturate the color by 10%, you get **37.8872, 0.3533, 0.2236**, and if you desaturate by 10%, it is **53.1107, 0.3356, 0.2589**.

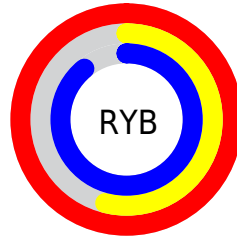
# Distribution



Red (100%)

Green (54%)

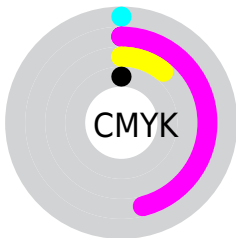
Blue (89%)



Red (100%)

Yellow (54%)

Blue (89%)

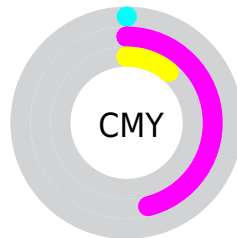


Cyan (0%)

Magenta (46%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (46%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.6423, 0.3441, 0.2403 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 44.6423, 0.3441, 0.2403 by changing the saturation by 10% instead.




 44.6423, 0.3441,  
0.2403

 44.6423, 0.3441,  
0.2403


365.3229, 0.3299,  
0.2813


 31.1758, 0.3472,  
0.2310


 82.1834, 0.3393,  
0.2545

 20.7327, 0.3510,  
0.2197


 107.0267, 0.3374,  
0.2600

 12.9288, 0.3556,  
0.2054


 136.4311, 0.3357,  
0.2648

 7.3795, 0.3614,  
0.1871

170.7810, 0.3343,  
0.2689

 3.7006, 0.3688,  
0.1628

210.4607, 0.3330,  
0.2726

 1.5075, 0.3782,  
0.1297

255.8547, 0.3319,

 0.2940, 0.3991,

0.2758

0.0609

307.3473, 0.3309,  
0.2787

0.0000, 0.3979,  
0.0000

0.0000, 0.0000,  
0.0000

44.6423, 0.3441,  
0.2403

44.6423, 0.3441,  
0.2403

37.8872, 0.3533,  
0.2236

53.1107, 0.3356,  
0.2589

32.7408, 0.3631,  
0.2099

63.4210, 0.3281,  
0.2785

29.0579, 0.3732,  
0.2002

75.6688, 0.3215,  
0.2981

26.6760, 0.3832,  
0.1952

89.9481, 0.3158,  
0.3174

■ 25.3924, 0.3929,  
0.1950

100.0000, 0.3127,  
0.3290

■ 25.0824, 0.3964,  
0.1958

# Harmonies

## Analogous

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



44.6423, 0.2594, 0.2088



44.6423, 0.3441, 0.2403



44.6423, 0.4299, 0.2897

# Triad

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



44.6423, 0.3441, 0.2403



44.6423, 0.4235, 0.4669



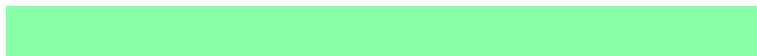
44.6423, 0.1701, 0.2727

# Complementary

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



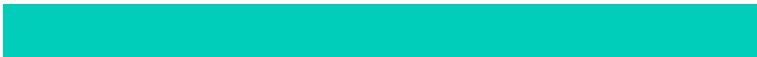
44.6423, 0.3441, 0.2403



79.5881, 0.2923, 0.4393

# 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.



44.6423, 0.2023, 0.3594



44.6423, 0.3441, 0.2403



44.6423, 0.3472, 0.4903

# Square

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



44.6423, 0.3441, 0.2403



44.6423, 0.4745, 0.4113



44.6423, 0.2662, 0.4502



44.6423, 0.1699, 0.2199



# Rectangle

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



44.6423, 0.3441, 0.2403



44.6423, 0.4691, 0.3286



44.6423, 0.2662, 0.4502



44.6423, 0.1771, 0.2984

# Sweetspot

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



44.6363, 0.3441, 0.2403



78.7478, 0.3202, 0.3026



33.0519, 0.2434, 0.1897



16.2321, 0.3214, 0.2984



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.



44.6363, 0.3441, 0.2403



38.0561, 0.3530, 0.2240



41.9884, 0.4045, 0.2965



18.2196, 0.3176, 0.3112



13.1310, 0.3949, 0.1949



1.2958, 0.3846, 0.1892



# Inverse Universe

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



44.6363, 0.3441, 0.2403



38.0561, 0.3530, 0.2240



82.1925, 0.2648, 0.3660



18.2196, 0.3176, 0.3112



13.1310, 0.3949, 0.1949



1.2958, 0.3846, 0.1892



# Previews

## White Background



This preview shows how the Yxy color 44.6423, 0.3441, 0.2403 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

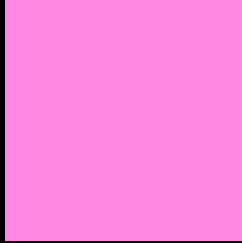
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.6423, 0.3441, 0.2403 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

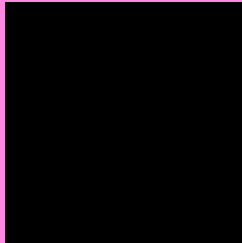
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.6423, 0.3441, 0.2403**

## Background



This preview shows how black text looks on a background with the Yxy color 44.6423, 0.3441, 0.2403.

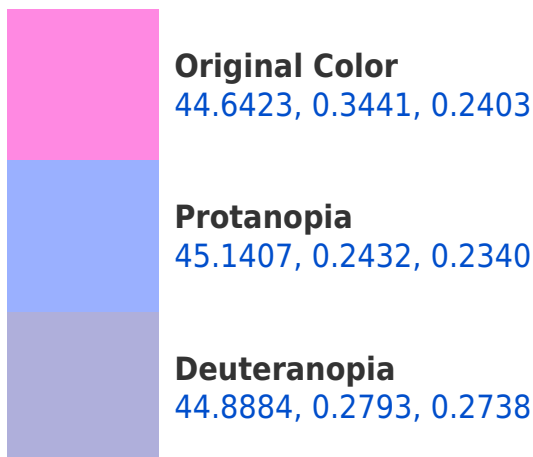


This preview shows how white text looks on a background with the Yxy color 44.6423, 0.3441, 0.2403.

# 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

44.6983, 0.3997, 0.3174

# Trichromacy



## Original Color

44.6423, 0.3441, 0.2403



## Protanomaly

43.4487, 0.2735, 0.2342



## Deuteranomaly

43.6010, 0.3003, 0.2576



## Tritanomaly

44.5698, 0.3800, 0.2879

# Monochromacy



## Original Color

44.6423, 0.3441, 0.2403



## Achromatopsia

46.7784, 0.3127, 0.3290



## Achromatomaly

44.9050, 0.3245, 0.2907

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.6423, 0.3441, 0.2403 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, 137, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 226)  
}
```

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, 137, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 44.6423, 0.3441, 0.2403 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, 137, 226) }
```

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

```
.border{ border-color:rgb(255, 137, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 137, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 137, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 137, 226); box-shadow:4px 4px 4px 4px rgb(255, 137, 226) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.6423, 0.3441, 0.2403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 137, 226) }
```

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

```
.background{ background-color: rgb(255,  
137, 226) }
```

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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