

# Converting Colors

Yxy(39.7617, 0.3565, 0.2459)

Have a look what the booklet for  
Yxy(39.7617, 0.3565, 0.2459)  
contains.

<b>Yxy(39.6893, 0.3568, 0.2455)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(39.6893, 0.3568, 0.2455)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F87FD0
RGB	248, 127, 208
RGB Percent	97%, 50%, 82%
CMY	0.0275, 0.5019, 0.1843
CMYK	0.00, 0.49, 0.16, 0.03
HSL	320°, 90%, 74%
HSV	320°, 49%, 97%
XYZ	57.6829, 39.6893, 64.2950
YIQ	172.4130, 46.1150, 50.8430

# Conversions

## Conversions Part 2

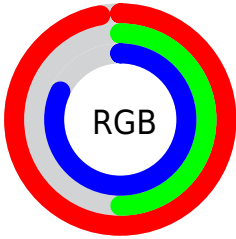
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	248, 127, 208
Decimal	16285648
CIE <sub>Lab</sub>	69.25, 55.88, -20.81
CIE <sub>LCh</sub>	69, 59.627, 339.571
Yxy	39.6893, 0.3568, 0.2455
Android (android.graphics.Color)	4294475728 (0xFFFF87FD0)
YUV	172.4130, 17.5444, 66.2898
Hunter-Lab	62.9994, 53.1872, -16.4097

# Details

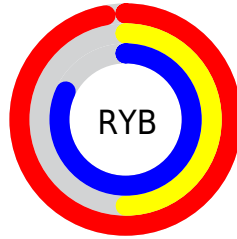
The Yxy color **39.6893, 0.3568, 0.2455** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **74.4314, 0.2865, 0.4326**, and the grayscale version is **41.3691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3470, 0.3160, 0.2585**, and **17.7535, 0.3685, 0.2252** is the 20% darker color. If you saturate the color by 10%, you get **33.6607, 0.3698, 0.2310**, and if you desaturate by 10%, it is **47.3187, 0.3451, 0.2620**.

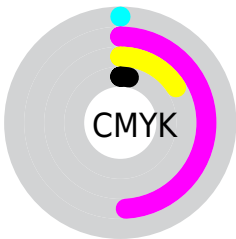
# Distribution



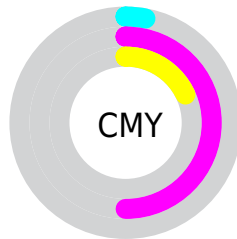
- Red (97%)
- Green (50%)
- Blue (82%)



- Red (97%)
- Yellow (50%)
- Blue (82%)



- Cyan (0%)
- Magenta (49%)
- Yellow (16%)
- Black (3%)




- Cyan (3%)
- Magenta (50%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.6893, 0.3568, 0.2455 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 39.6893, 0.3568, 0.2455 by changing the saturation by 10% instead.




 39.6893, 0.3568,  
0.2455


 39.6893, 0.3568,  
0.2455


344.8123, 0.3357,  
0.2851

 27.2964, 0.3618,  
0.2363


 74.6902, 0.3494,  
0.2594

 17.7959, 0.3680,  
0.2248


 98.0669, 0.3465,  
0.2648

 10.8036, 0.3759,  
0.2101


 125.8737, 0.3441,  
0.2694

 5.9349, 0.3864,  
0.1909

158.4949, 0.3419,  
0.2734

 2.8055, 0.4009,  
0.1648

196.3150, 0.3401,  
0.2769

 1.0311, 0.4218,  
0.1280

239.7183, 0.3385,

 0.0000, 0.4901,

0.2799

0.0000

289.0893, 0.3370,  
0.2827

0.0000, 0.5941,  
0.0000

0.0000, 0.0000,  
0.0000

39.6893, 0.3568,  
0.2455

39.6893, 0.3568,  
0.2455

33.6607, 0.3698,  
0.2310

47.3187, 0.3451,  
0.2620

29.1091, 0.3837,  
0.2196

56.6493, 0.3348,  
0.2795

25.9019, 0.3982,  
0.2125

67.7799, 0.3260,  
0.2972

23.8799, 0.4128,  
0.2103

80.8002, 0.3184,  
0.3145

■ 22.8106, 0.4269,  
0.2130

■ 95.7936, 0.3120,  
0.3310

■ 22.7082, 0.4286,  
0.2135

■ 98.6945, 0.3084,  
0.3290

# Harmonies

## Analogous

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



39.6893, 0.2694, 0.2110



39.6893, 0.3568, 0.2455



39.6893, 0.4407, 0.2970

# Triad

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



39.6893, 0.3568, 0.2455



39.6893, 0.4148, 0.4738



39.6893, 0.1672, 0.2627

# Complementary

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



39.6893, 0.3568, 0.2455



74.4314, 0.2865, 0.4326

# 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.



39.6893, 0.1951, 0.3463



39.6893, 0.3568, 0.2455



39.6893, 0.3361, 0.4905

# Square

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



39.6893, 0.3568, 0.2455



39.6893, 0.4710, 0.4201



39.6893, 0.2555, 0.4409



39.6893, 0.1712, 0.2146



# Rectangle

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



39.6893, 0.3568, 0.2455



39.6893, 0.4756, 0.3368



39.6893, 0.2555, 0.4409



39.6893, 0.1728, 0.2870

# Sweetspot

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



39.6912, 0.3568, 0.2455



77.1892, 0.3230, 0.3038



29.9933, 0.2467, 0.1845



15.9162, 0.3246, 0.3001



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.



39.6912, 0.3568, 0.2455



35.6925, 0.3702, 0.2306



37.3132, 0.4239, 0.3057



17.4213, 0.3189, 0.3132



12.2952, 0.4265, 0.2123



1.1583, 0.4106, 0.2036



# Inverse Universe

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



39.6912, 0.3568, 0.2455



35.6925, 0.3702, 0.2306



77.1219, 0.2583, 0.3556



17.4213, 0.3189, 0.3132



12.2952, 0.4265, 0.2123



1.1583, 0.4106, 0.2036



# Previews

## White Background



This preview shows how the Yxy color 39.6893, 0.3568, 0.2455 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

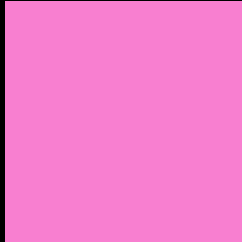
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.6893, 0.3568, 0.2455 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 39.6893, 0.3568, 0.2455**

## Background



This preview shows how black text looks on a background with the Yxy color 39.6893, 0.3568, 0.2455.

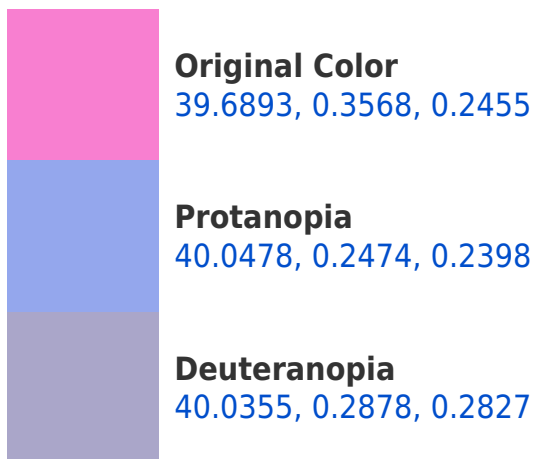


This preview shows how white text looks on a background with the Yxy color 39.6893, 0.3568, 0.2455.

# 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

39.5445, 0.4119, 0.3172

# Trichromacy



## Original Color

39.6893, 0.3568, 0.2455



## Protanomaly

38.1378, 0.2798, 0.2386



## Deuteranomaly

38.8219, 0.3101, 0.2651



## Tritanomaly

39.5013, 0.3916, 0.2901

# Monochromacy



## Original Color

39.6893, 0.3568, 0.2455



## Achromatopsia

41.2543, 0.3127, 0.3290



## Achromatomaly

39.5591, 0.3288, 0.2926

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.6893, 0.3568, 0.2455 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(248, 127, 208)` looks like.

```
.text, #text, p{  
    color:rgb(248, 127, 208)  
}
```

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(248, 127, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 127, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 39.6893, 0.3568, 0.2455 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(248, 127, 208) }
```

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

```
.border{ border-color:rgb(248, 127, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 127, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 127, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 127, 208);  
box-shadow:4px 4px 4px 4px rgb(248, 127,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.6893, 0.3568, 0.2455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 127, 208) }
```

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

```
.background{ background-color: rgb(248,  
127, 208) }
```

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