

# Converting Colors

$Y_{xy}(38.0720, 0.3403, 0.2255)$

Have a look what the booklet for  
Yxy(38.0720, 0.3403, 0.2255)  
contains.

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# Color

**Yxy(38.1193, 0.3404, 0.2254)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F578DE
RGB	245, 120, 222
RGB Percent	96%, 47%, 87%
CMY	0.0391, 0.5295, 0.1294
CMYK	0.00, 0.51, 0.09, 0.04
HSL	311°, 86%, 72%
HSV	311°, 51%, 96%
XYZ	57.5679, 38.1193, 73.4312
YIQ	169.0030, 41.7580, 58.2220

# Conversions

## Conversions Part 2

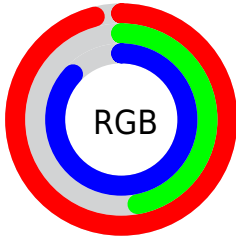
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 120, 222
Decimal	16087262
CIE Lab	68.11, 60.51, -30.37
CIE LCh	68, 67.702, 333.343
Yxy	38.1193, 0.3404, 0.2254
Android (android.graphics.Color)	4294277342 (0xFFFF578DE)
YUV	169.0030, 26.1275, 66.6494
Hunter-Lab	61.7408, 58.3892, -27.2978

# Details

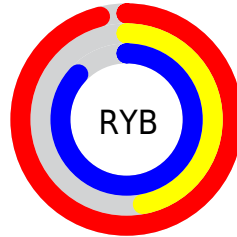
The Yxy color **38.1193, 0.3404, 0.2254** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **71.3048, 0.2945, 0.4629**, and the grayscale version is **39.5292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5307, 0.3163, 0.2517**, and **16.8959, 0.3449, 0.2006** is the 20% darker color. If you saturate the color by 10%, you get **32.7247, 0.3475, 0.2090**, and if you desaturate by 10%, it is **45.0315, 0.3337, 0.2443**.

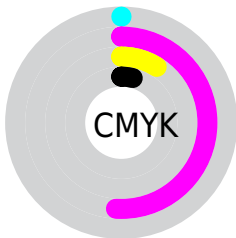
# Distribution



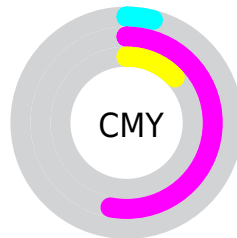
- Red (96%)
- Green (47%)
- Blue (87%)



- Red (96%)
- Yellow (47%)
- Blue (87%)



- Cyan (0%)
- Magenta (51%)
- Yellow (9%)
- Black (4%)




- Cyan (4%)
- Magenta (53%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.1193, 0.3404, 0.2254 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 38.1193, 0.3404, 0.2254 by changing the saturation by 10% instead.





 38.1193, 0.3404,  
0.2254


 38.1193, 0.3404,  
0.2254


338.1315, 0.3283,  
0.2737


 26.0753, 0.3429,  
0.2144


 72.2910, 0.3364,  
0.2422

 16.8800, 0.3459,  
0.2009


 95.1874, 0.3348,  
0.2487

 10.1490, 0.3494,  
0.1840


 122.4701, 0.3334,  
0.2543

 5.4978, 0.3534,  
0.1623

154.5235, 0.3321,  
0.2592

 2.5422, 0.3578,  
0.1339

191.7319, 0.3310,  
0.2635

 0.8977, 0.3617,  
0.0961

234.4798, 0.3300,

 0.0000, 0.3787,

0.2673

0.0000

283.1515, 0.3291,  
0.2707

■ 0.0000, 0.2465,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 38.1193, 0.3404,  
0.2254

■ 38.1193, 0.3404,  
0.2254

■ 32.7247, 0.3475,  
0.2090

■ 45.0315, 0.3337,  
0.2443

■ 28.7250, 0.3547,  
0.1962


■ 53.5612, 0.3276,  
0.2647

■ 25.9870, 0.3619,  
0.1877

■ 63.8058, 0.3221,  
0.2858


■ 24.3491, 0.3689,  
0.1839


■ 75.8536, 0.3173,  
0.3067

 23.5853, 0.3749,  
0.1839

 89.7867, 0.3131,  
0.3270

 97.7849, 0.3099,  
0.3347

 98.0701, 0.3074,  
0.3303

 98.1599, 0.3066,  
0.3290

# Harmonies

## Analogous

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



38.1193, 0.2451, 0.1924



38.1193, 0.3404, 0.2254



38.1193, 0.4422, 0.2786

# Triad

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



38.1193, 0.3404, 0.2254



38.1193, 0.4410, 0.4795



38.1193, 0.1531, 0.2680

# Complementary

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



38.1193, 0.3404, 0.2254



71.3048, 0.2945, 0.4629

# 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.



38.1193, 0.1901, 0.3715



38.1193, 0.3404, 0.2254



38.1193, 0.3551, 0.5171

# Square

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



38.1193, 0.3404, 0.2254



38.1193, 0.4989, 0.4123



38.1193, 0.2633, 0.4790



38.1193, 0.1513, 0.2070



# Rectangle

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



38.1193, 0.3404, 0.2254



38.1193, 0.4901, 0.3208



38.1193, 0.2633, 0.4790



38.1193, 0.1613, 0.2983

# Sweetspot

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



38.1211, 0.3404, 0.2254



77.5313, 0.3192, 0.2984



25.8534, 0.2302, 0.1724



15.9991, 0.3202, 0.2940



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.



38.1211, 0.3404, 0.2254



35.7791, 0.3475, 0.2089



35.3705, 0.4112, 0.2869



16.7128, 0.3166, 0.3099



12.7202, 0.3738, 0.1833



1.1313, 0.3660, 0.1790



# Inverse Universe

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



38.1211, 0.3404, 0.2254



35.7791, 0.3475, 0.2089



73.7501, 0.2643, 0.3786



16.7128, 0.3166, 0.3099



12.7202, 0.3738, 0.1833

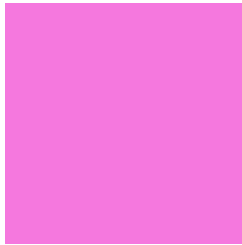


1.1313, 0.3660, 0.1790



# Previews

## White Background



This preview shows how the Yxy color 38.1193, 0.3404, 0.2254 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

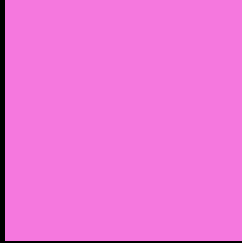
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 38.1193, 0.3404, 0.2254 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

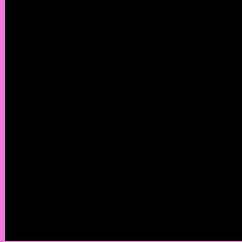
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 38.1193, 0.3404, 0.2254**

## Background



This preview shows how black text looks on a background with the Yxy color 38.1193, 0.3404, 0.2254.

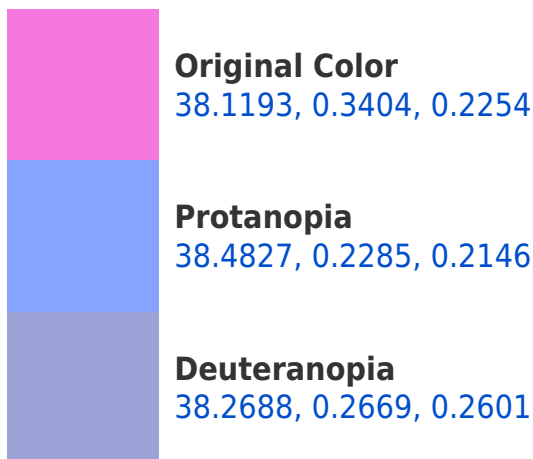


This preview shows how white text looks on a background with the Yxy color 38.1193, 0.3404, 0.2254.

# 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

38.0024, 0.4112, 0.3180

# Trichromacy



## Original Color

38.1193, 0.3404, 0.2254



## Protanomaly

36.3372, 0.2594, 0.2139



## Deuteranomaly

36.7482, 0.2901, 0.2419



## Tritanomaly

37.8139, 0.3854, 0.2819

# Monochromacy



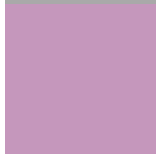
## Original Color

38.1193, 0.3404, 0.2254



## Achromatopsia

39.6755, 0.3127, 0.3290



## Achromatomaly

37.6344, 0.3237, 0.2822

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.1193, 0.3404, 0.2254 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(245, 120, 222)` looks like.

```
.text, #text, p{  
    color:rgb(245, 120, 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(245, 120, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 120, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 38.1193, 0.3404, 0.2254 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(245, 120, 222) }
```

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

```
.border{ border-color:rgb(245, 120, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 120, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 120, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 120, 222);  
box-shadow:4px 4px 4px 4px rgb(245, 120,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.1193, 0.3404, 0.2254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 120, 222) }
```

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

```
.background{ background-color: rgb(245,  
120, 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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