

# Converting Colors

Yxy(36.4185, 0.4001, 0.2813)

Have a look what the booklet for  
Yxy(36.4185, 0.4001, 0.2813)  
contains.

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# Color

**Yxy(36.4055, 0.3999, 0.2810)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F57BA8
RGB	245, 123, 168
RGB Percent	96%, 48%, 66%
CMY	0.0392, 0.5177, 0.3412
CMYK	0.00, 0.50, 0.31, 0.04
HSL	338°, 86%, 72%
HSV	338°, 50%, 96%
XYZ	51.8098, 36.4055, 41.3416
YIQ	164.6080, 58.2670, 39.8590

# Conversions

## Conversions Part 2

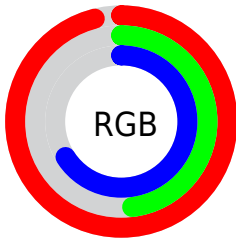
Format	Color
R <sub>Y</sub> B	245, 123, 168
Decimal	16087976
CIE Lab	66.83, 51.42, -2.02
CIE LCh	67, 51.459, 357.755
Yxy	36.4055, 0.3999, 0.2810
Android (android.graphics.Color)	4294278056 (0xFFFF57BA8)
YUV	164.6080, 1.6723, 70.5038
Hunter-Lab	60.3370, 47.6837, 1.6116

# Details

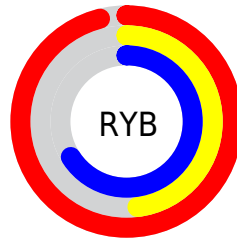
The Yxy color **36.4055, 0.3999, 0.2810** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **73.6932, 0.2682, 0.3856**, and the grayscale version is **37.4010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.4285, 0.3417, 0.2832**, and **15.9563, 0.4273, 0.2671** is the 20% darker color. If you saturate the color by 10%, you get **30.5279, 0.4281, 0.2735**, and if you desaturate by 10%, it is **43.8761, 0.3755, 0.2902**.

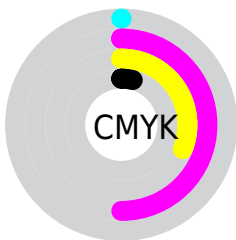
# Distribution



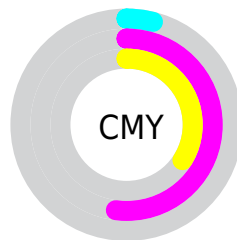
- Red (96%)
- Green (48%)
- Blue (66%)



- Red (96%)
- Yellow (48%)
- Blue (66%)



- Cyan (0%)
- Magenta (50%)
- Yellow (31%)
- Black (4%)




- Cyan (4%)
- Magenta (52%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 36.4055, 0.3999, 0.2810 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 36.4055, 0.3999, 0.2810 by changing the saturation by 10% instead.





 36.4055, 0.3999,  
0.2810


 36.4055, 0.3999,  
0.2810

330.7295, 0.3549,  
0.3056


 24.7475, 0.4116,  
0.2747


 69.6575, 0.3832,  
0.2901

 15.8891, 0.4268,  
0.2665


 92.0203, 0.3770,  
0.2934

 9.4457, 0.4474,  
0.2555

 118.7202, 0.3719,  
0.2963

 5.0330, 0.4767,  
0.2400

150.1415, 0.3674,  
0.2987

 2.2666, 0.5216,  
0.2165

186.6687, 0.3636,  
0.3008

 0.7560, 0.5978,  
0.1768

228.6862, 0.3603,


 0.0000, 1.0000,


0.3026


0.0000

276.5783, 0.3574,  
0.3042


 0.0000, 0.0000,  
0.0000


 36.4055, 0.3999,  
0.2810


 36.4055, 0.3999,  
0.2810

 30.5279, 0.4281,  
0.2735


 43.8761, 0.3755,  
0.2902

 26.1198, 0.4595,  
0.2689


 53.0403, 0.3550,  
0.3002

 23.0482, 0.4925,  
0.2686

 63.9966, 0.3379,  
0.3103

 21.1531, 0.5249,  
0.2733

 76.8345, 0.3239,  
0.3200

 20.1750, 0.5542,  
0.2828

 91.6374, 0.3125,  
0.3292

■ 20.1589, 0.5547,  
0.2830

■ 98.1545, 0.3066,  
0.3290

# Harmonies

## Analogous

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



36.4055, 0.3205, 0.2388



36.4055, 0.3999, 0.2810



36.4055, 0.4557, 0.3344

# Triad

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



36.4055, 0.3999, 0.2810



36.4055, 0.3647, 0.4727



36.4055, 0.1794, 0.2400

# Complementary

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



36.4055, 0.3999, 0.2810



73.6932, 0.2682, 0.3856

# 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.



36.4055, 0.1876, 0.2972



36.4055, 0.3999, 0.2810



36.4055, 0.2902, 0.4510

# Square

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



36.4055, 0.3999, 0.2810



36.4055, 0.4292, 0.4440



36.4055, 0.2258, 0.3789



36.4055, 0.1999, 0.2140



# Rectangle

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



36.4055, 0.3999, 0.2810



36.4055, 0.4674, 0.3726



36.4055, 0.2258, 0.3789



36.4055, 0.1789, 0.2555

# Sweetspot

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



36.4073, 0.3999, 0.2810



76.5184, 0.3309, 0.3150



32.7973, 0.2760, 0.1930



15.7548, 0.3339, 0.3129



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.



36.4073, 0.3999, 0.2810



33.2462, 0.4291, 0.2733



38.8024, 0.4460, 0.3446



16.5836, 0.3236, 0.3203



10.8833, 0.5505, 0.2806



0.9757, 0.5162, 0.2618



# Inverse Universe

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



36.4073, 0.3999, 0.2810



33.2462, 0.4291, 0.2733



67.8310, 0.2442, 0.3116



16.5836, 0.3236, 0.3203



10.8833, 0.5505, 0.2806



0.9757, 0.5162, 0.2618



# Previews

## White Background



This preview shows how the Yxy color 36.4055, 0.3999, 0.2810 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

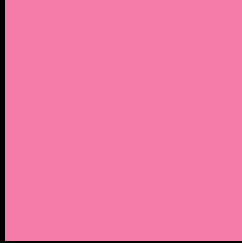
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 36.4055, 0.3999, 0.2810 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 36.4055, 0.3999, 0.2810**

## Background



This preview shows how black text looks on a background with the Yxy color 36.4055, 0.3999, 0.2810.



This preview shows how white text looks on a background with the Yxy color 36.4055, 0.3999, 0.2810.

# 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

36.4055, 0.3999, 0.2810

### Protanopia

36.8145, 0.2834, 0.2871

### Deuteranopia

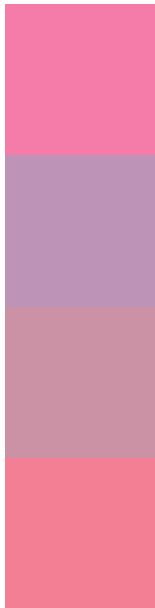
36.6461, 0.3296, 0.3235



## Tritanopia

36.4127, 0.4305, 0.3195

# Trichromacy



**Original Color**

36.4055, 0.3999, 0.2810

**Protanomaly**

35.4175, 0.3208, 0.2832

**Deuteranomaly**

35.6276, 0.3546, 0.3048

**Tritanomaly**

36.4034, 0.4192, 0.3054

# Monochromacy



**Original Color**

36.4055, 0.3999, 0.2810

**Achromatopsia**

37.6262, 0.3127, 0.3290

**Achromatomaly**

36.0352, 0.3422, 0.3080

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 36.4055, 0.3999, 0.2810 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, 123, 168)` looks like.

```
.text, #text, p{  
    color:rgb(245, 123, 168)  
}
```

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, 123, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 123, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 36.4055, 0.3999, 0.2810 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, 123, 168) }
```

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

```
.border{ border-color:rgb(245, 123, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 123, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(245, 123, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(245, 123, 168); box-shadow:4px 4px 4px 4px rgb(245, 123, 168) }
```



# Background

The CSS property to change the background color of an element to Yxy 36.4055, 0.3999, 0.2810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 123, 168) }
```

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

```
.background{ background-color: rgb(245,  
123, 168) }
```

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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