

# Converting Colors

Yxy(23.3404, 0.4870, 0.2590)

Have a look what the booklet for  
Yxy(23.3404, 0.4870, 0.2590)  
contains.

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**Color**

**Yxy(23.3106, 0.4864, 0.2587)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F92981
RGB	249, 41, 129
RGB Percent	98%, 16%, 51%
CMY	0.0235, 0.8393, 0.4940
CMYK	0.00, 0.84, 0.48, 0.02
HSL	335°, 95%, 57%
HSV	335°, 84%, 98%
XYZ	43.8279, 23.3106, 22.9682
YIQ	113.2240, 95.7200, 71.4640

# Conversions

## Conversions Part 2

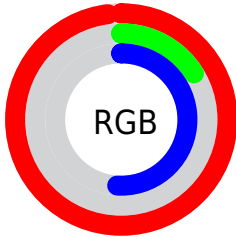
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	249, 41, 129
Decimal	16329089
CIE <sub>Lab</sub>	55.39, 78.57, 4.03
CIE <sub>LCh</sub>	55, 78.669, 2.937
Yxy	23.3106, 0.4864, 0.2587
Android (android.graphics.Color)	4294519169 (0xFFFF92981)
YUV	113.2240, 7.7776, 119.0756
Hunter-Lab	48.2811, 77.5444, 5.5914

# Details

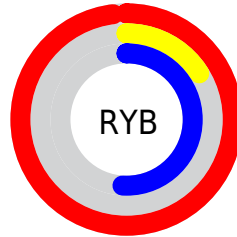
The Yxy color **23.3106, 0.4864, 0.2587** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **70.8031, 0.2622, 0.4504**, and the grayscale version is **16.5348, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2257, 0.3962, 0.2587**, and **11.0183, 0.5255, 0.2669** is the 20% darker color. If you saturate the color by 10%, you get **21.7452, 0.5152, 0.2647**, and if you desaturate by 10%, it is **26.0188, 0.4565, 0.2582**.

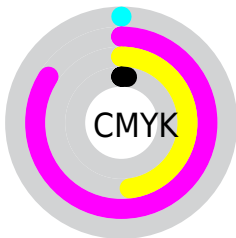
# Distribution



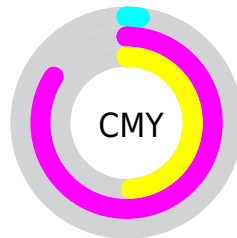
- Red (98%)
- Green (16%)
- Blue (51%)



- Red (98%)
- Yellow (16%)
- Blue (51%)



- Cyan (0%)
- Magenta (84%)
- Yellow (48%)
- Black (2%)




- Cyan (2%)
- Magenta (84%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 23.3106, 0.4864, 0.2587 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 23.3106, 0.4864, 0.2587 by changing the saturation by 10% instead.





 23.3106, 0.4864,  
0.2587


 23.3106, 0.4864,  
0.2587


269.3163, 0.3908,  
0.2983


 14.8230, 0.5129,  
0.2474


 48.9028, 0.4497,  
0.2742


 8.6953, 0.5483,  
0.2320


 66.7763, 0.4365,  
0.2796


 4.5430, 0.5973,  
0.2103

 88.5471, 0.4255,  
0.2842

 1.9817, 0.6683,  
0.1780

 114.5998, 0.4164,  
0.2879

 0.5968, 0.7969,  
0.1256

 145.3186, 0.4086,  
0.2911

 0.0000, 1.0000,  
0.0000

181.0881, 0.4018,

 0.0000, 0.0000,

0.2938

0.0000

222.2925, 0.3960,  
0.2962

■ 23.3106, 0.4864,  
0.2587

■ 23.3106, 0.4864,  
0.2587

■ 21.7452, 0.5152,  
0.2647

■ 26.0188, 0.4565,  
0.2582


■ 21.1707, 0.5327,  
0.2708


■ 30.0458, 0.4277,  
0.2625


■ 35.5410, 0.4012,  
0.2704

■ 42.6324, 0.3779,  
0.2805

■ 51.4342, 0.3581,  
0.2917

 62.0497, 0.3414,  
0.3032

 74.5741, 0.3276,  
0.3146

 89.0959, 0.3162,  
0.3253

 98.8825, 0.3090,  
0.3290

# Harmonies

## Analogous

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



23.3106, 0.3448, 0.1961



23.3106, 0.4864, 0.2587



23.3106, 0.5666, 0.3327

# Triad

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



23.3106, 0.4864, 0.2587



23.3106, 0.3537, 0.5830



23.3106, 0.1119, 0.1706

# Complementary

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



23.3106, 0.4864, 0.2587



70.8031, 0.2622, 0.4504

# 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.



23.3106, 0.1117, 0.2424



23.3106, 0.4864, 0.2587



23.3106, 0.2398, 0.5476

# Square

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



23.3106, 0.4864, 0.2587



23.3106, 0.4649, 0.5089



23.3106, 0.1514, 0.3858



23.3106, 0.1459, 0.1476



# Rectangle

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



23.3106, 0.4864, 0.2587



23.3106, 0.5643, 0.3862



23.3106, 0.1514, 0.3858



23.3106, 0.1081, 0.1878

# Sweetspot

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



23.3120, 0.4864, 0.2587



63.7049, 0.3437, 0.3015



15.7810, 0.2315, 0.1136



12.7659, 0.3494, 0.2975



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.



23.3120, 0.4864, 0.2587



22.3413, 0.5330, 0.2710



23.0194, 0.5984, 0.3373



17.3471, 0.3227, 0.3190



11.3578, 0.5286, 0.2686



1.0726, 0.4980, 0.2517



# Inverse Universe

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



23.3120, 0.4864, 0.2587



22.3413, 0.5330, 0.2710



66.8112, 0.2226, 0.3113



17.3471, 0.3227, 0.3190



11.3578, 0.5286, 0.2686



1.0726, 0.4980, 0.2517



# Previews

## White Background



This preview shows how the Yxy color 23.3106, 0.4864, 0.2587 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

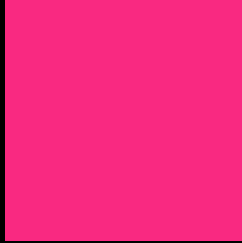
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 23.3106, 0.4864, 0.2587 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 × Fail

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

**Yxy 23.3106, 0.4864, 0.2587**

## **Background**



This preview shows how black text looks on a background with the Yxy color 23.3106, 0.4864, 0.2587.



This preview shows how white text looks on a background with the Yxy color 23.3106, 0.4864, 0.2587.

# 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

23.3106, 0.4864, 0.2587

### Protanopia

23.4803, 0.2570, 0.2514

### Deuteranopia

23.3496, 0.3509, 0.3441



## Tritanopia

23.4082, 0.5703, 0.3284

# Trichromacy



## Original Color

23.3106, 0.4864, 0.2587



## Protanomaly

19.5241, 0.3247, 0.2371



## Deuteranomaly

20.3606, 0.4048, 0.2917



## Tritanomaly

23.1171, 0.5448, 0.3039

# Monochromacy



## Original Color

23.3106, 0.4864, 0.2587



## Achromatopsia

16.5132, 0.3127, 0.3290



## Achromatomaly

15.8297, 0.3807, 0.2785

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 23.3106, 0.4864, 0.2587 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(249, 41, 129)` looks like.

```
.text, #text, p{  
    color:rgb(249, 41, 129)  
}
```

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(249, 41, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 41, 129) }
```

## Border

The CSS property to change the border of an element to Yxy 23.3106, 0.4864, 0.2587 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(249, 41, 129) }
```

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

```
.border{ border-color:rgb(249, 41, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 41, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 41, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 41, 129);  
box-shadow:4px 4px 4px 4px rgb(249, 41,  
129) }
```



# Background

The CSS property to change the background color of an element to Yxy 23.3106, 0.4864, 0.2587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 41, 129) }
```

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

```
.background{ background-color: rgb(249, 41,  
129) }
```

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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