

# Converting Colors

Yxy(23.9493, 0.4843, 0.2590)

Have a look what the booklet for  
Yxy(23.9493, 0.4843, 0.2590)  
contains.

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**Color**

**Yxy(23.9493, 0.4843, 0.2590)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FB2C83
RGB	251, 44, 131
RGB Percent	98%, 17%, 51%
CMY	0.0157, 0.8274, 0.4863
CMYK	0.00, 0.82, 0.48, 0.02
HSL	335°, 96%, 58%
HSV	335°, 82%, 98%
XYZ	44.7824, 23.9493, 23.7366
YIQ	115.8110, 95.4450, 70.9410

# Conversions

## Conversions Part 2

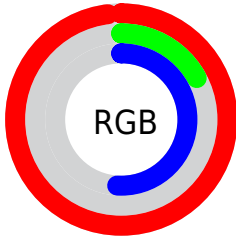
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	251, 44, 131
Decimal	16460931
CIE <sub>Lab</sub>	56.04, 78.56, 3.83
CIE <sub>LCh</sub>	56, 78.658, 2.793
Yxy	23.9493, 0.4843, 0.2590
Android (android.graphics.Color)	4294651011 (0xFFFB2C83)
YUV	115.8110, 7.4882, 118.5608
Hunter-Lab	48.9380, 77.7010, 5.4989

# Details

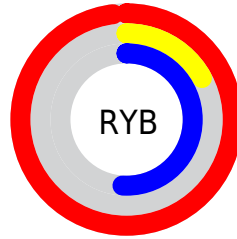
The Yxy color **23.9493, 0.4843, 0.2590** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **72.2130, 0.2619, 0.4477**, and the grayscale version is **17.3605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7553, 0.3933, 0.2585**, and **11.3006, 0.5232, 0.2656** is the 20% darker color. If you saturate the color by 10%, you get **22.2441, 0.5135, 0.2644**, and if you desaturate by 10%, it is **26.8410, 0.4543, 0.2590**.

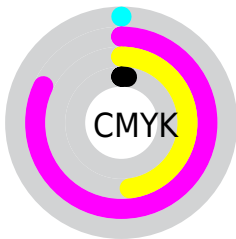
# Distribution



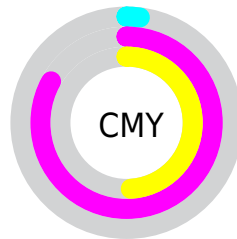
- Red (98%)
- Green (17%)
- Blue (51%)



- Red (98%)
- Yellow (17%)
- Blue (51%)



- Cyan (0%)
- Magenta (82%)
- Yellow (48%)
- Black (2%)




- Cyan (2%)
- Magenta (83%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 23.9493, 0.4843, 0.2590 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 23.9493, 0.4843, 0.2590 by changing the saturation by 10% instead.





 23.9493, 0.4843,  
0.2590


 23.9493, 0.4843,  
0.2590

272.5641, 0.3903,  
0.2982


 15.2960, 0.5102,  
0.2479


 49.9475, 0.4482,  
0.2743


 9.0274, 0.5448,  
0.2328


 68.0611, 0.4353,  
0.2797

 4.7591, 0.5926,  
0.2116

 90.0970, 0.4245,  
0.2842

 2.1066, 0.6616,  
0.1802

 116.4396, 0.4155,  
0.2879

 0.6683, 0.7789,  
0.1310

 147.4731, 0.4078,  
0.2911

 0.0000, 1.0000,  
0.0000

183.5822, 0.4011,

 0.0000, 0.0000,

0.2938

0.0000

225.1510, 0.3953,  
0.2961

■ 23.9493, 0.4843,  
0.2590

■ 23.9493, 0.4843,  
0.2590

■ 22.2441, 0.5135,  
0.2644

■ 26.8410, 0.4543,  
0.2590


■ 21.5400, 0.5340,  
0.2715

■ 31.0943, 0.4254,  
0.2637


■ 36.8589, 0.3991,  
0.2718


■ 44.2638, 0.3760,  
0.2820

■ 53.4240, 0.3564,  
0.2932

 64.4438, 0.3399,  
0.3046

 77.4197, 0.3263,  
0.3158

 92.4412, 0.3151,  
0.3265

 99.2499, 0.3102,  
0.3290

# Harmonies

## Analogous

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



23.9493, 0.3440, 0.1967



23.9493, 0.4843, 0.2590



23.9493, 0.5645, 0.3328

# Triad

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



23.9493, 0.4843, 0.2590



23.9493, 0.3546, 0.5808



23.9493, 0.1130, 0.1719

# Complementary

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



23.9493, 0.4843, 0.2590



72.2130, 0.2619, 0.4477

# 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.



23.9493, 0.1130, 0.2439



23.9493, 0.4843, 0.2590



23.9493, 0.2412, 0.5457

# Square

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



23.9493, 0.4843, 0.2590



23.9493, 0.4649, 0.5077



23.9493, 0.1530, 0.3863



23.9493, 0.1467, 0.1487



# Rectangle

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



23.9493, 0.4843, 0.2590



23.9493, 0.5627, 0.3861



23.9493, 0.1530, 0.3863



23.9493, 0.1092, 0.1892

# Sweetspot

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



23.9507, 0.4843, 0.2590



63.6950, 0.3438, 0.3017



16.3761, 0.2327, 0.1152



12.7636, 0.3495, 0.2977



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.



23.9507, 0.4843, 0.2590



22.4120, 0.5315, 0.2707



23.6986, 0.5946, 0.3376



17.3463, 0.3228, 0.3191



11.3495, 0.5298, 0.2692



1.0718, 0.4991, 0.2523



# Inverse Universe

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



23.9507, 0.4843, 0.2590



22.4120, 0.5315, 0.2707



68.1875, 0.2230, 0.3116



17.3463, 0.3228, 0.3191



11.3495, 0.5298, 0.2692



1.0718, 0.4991, 0.2523



# Previews

## White Background



This preview shows how the Yxy color 23.9493, 0.4843, 0.2590 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

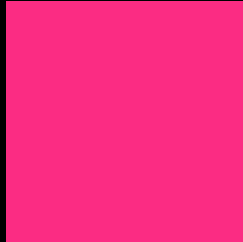
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 23.9493, 0.4843, 0.2590 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 23.9493, 0.4843, 0.2590**

## Background



This preview shows how black text looks on a background with the Yxy color 23.9493, 0.4843, 0.2590.



This preview shows how white text looks on a background with the Yxy color 23.9493, 0.4843, 0.2590.

# 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

23.9493, 0.4843, 0.2590

### Protanopia

24.1762, 0.2567, 0.2522

### Deuteranopia

24.1180, 0.3503, 0.3439



## Tritanopia

24.0166, 0.5677, 0.3283

# Trichromacy



## Original Color

23.9493, 0.4843, 0.2590



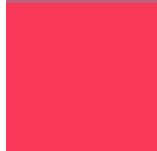
## Protanomaly

20.2765, 0.3232, 0.2391



## Deuteranomaly

21.2232, 0.4030, 0.2934



## Tritanomaly

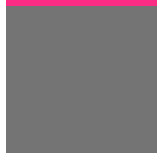
23.8042, 0.5418, 0.3043

# Monochromacy



## Original Color

23.9493, 0.4843, 0.2590



## Achromatopsia

17.4647, 0.3127, 0.3290



## Achromatomaly

16.6921, 0.3807, 0.2808

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 23.9493, 0.4843, 0.2590 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(251, 44, 131)` looks like.

```
.text, #text, p{  
    color:rgb(251, 44, 131)  
}
```

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(251, 44, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 44, 131) }
```

## Border

The CSS property to change the border of an element to Yxy 23.9493, 0.4843, 0.2590 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(251, 44, 131) }
```

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

```
.border{ border-color:rgb(251, 44, 131) }
```

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

Here you see how a box with a 4 pixel rgb(251, 44, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 44, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 44, 131);  
box-shadow:4px 4px 4px 4px rgb(251, 44,  
131) }
```



# Background

The CSS property to change the background color of an element to Yxy 23.9493, 0.4843, 0.2590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 44, 131) }
```

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

```
.background{ background-color: rgb(251, 44,  
131) }
```

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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