

# Converting Colors

$Y_{xy}(41.4222, 0.4917, 0.2634)$

Have a look what the booklet for  
Yxy(41.4222, 0.4917, 0.2634)  
contains.

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# Color

**Yxy(27.0323, 0.4346, 0.2377)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF3BA3
RGB	255, 59, 163
RGB Percent	100%, 23%, 64%
CMY	0.0000, 0.7688, 0.3607
CMYK	0.00, 0.77, 0.36, 0.00
HSL	328°, 100%, 62%
HSV	328°, 77%, 100%
XYZ	49.4246, 27.0323, 37.2675
YIQ	129.4600, 83.4320, 73.8960

# Conversions

## Conversions Part 2

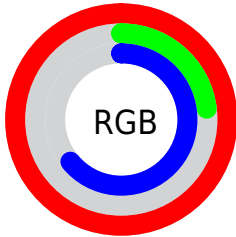
Format	Color
R <sub>Y</sub> B	255, 59, 163
Decimal	16726947
CIE Lab	59.00, 78.78, -10.58
CIE LCh	59, 79.487, 352.349
Yxy	27.0323, 0.4346, 0.2377
Android (android.graphics.Color)	4294917027 (0xFFFF3BA3)
YUV	129.4600, 16.5352, 110.0986
Hunter-Lab	51.9926, 78.6967, -6.1034

# Details

The Yxy color **27.0323, 0.4346, 0.2377** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **74.6807, 0.2710, 0.4691**, and the grayscale version is **22.0305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7373, 0.3536, 0.2357**, and **12.4852, 0.4648, 0.2334** is the 20% darker color. If you saturate the color by 10%, you get **24.6087, 0.4576, 0.2377**, and if you desaturate by 10%, it is **30.7648, 0.4119, 0.2429**.

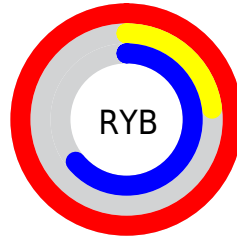
# Distribution



Red (100%)

Green (23%)

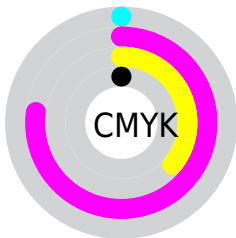
Blue (64%)



Red (100%)

Yellow (23%)

Blue (64%)

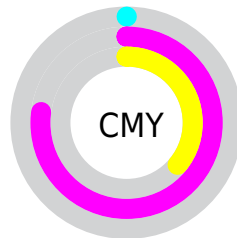


Cyan (0%)

Magenta (77%)

Yellow (36%)

Black (0%)



Cyan (0%)

Magenta (77%)


Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 27.0323, 0.4346, 0.2377 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 27.0323, 0.4346, 0.2377 by changing the saturation by 10% instead.




 27.0323, 0.4346,  
0.2377


 27.0323, 0.4346,  
0.2377


287.8135, 0.3703,  
0.2843

 17.5975, 0.4516,  
0.2259


 54.9357, 0.4105,  
0.2548


 10.6614, 0.4739,  
0.2108


 74.1731, 0.4017,  
0.2611

 5.8396, 0.5042,  
0.1908


 97.4467, 0.3943,  
0.2665

 2.7478, 0.5477,  
0.1634

 125.1411, 0.3880,  
0.2711

 1.0015, 0.6136,  
0.1245

 157.6406, 0.3827,  
0.2751

 0.0000, 0.7836,  
0.0000

195.3295, 0.3780,

 0.0000, 1.0000,

0.2785

0.0000

238.5924, 0.3739,  
0.2816

■ 0.0000, 0.0000,  
0.0000

■ 27.0323, 0.4346,  
0.2377

■ 27.0323, 0.4346,  
0.2377

■ 24.6087, 0.4576,  
0.2377

■ 30.7648, 0.4119,  
0.2429

■ 23.2990, 0.4800,  
0.2432


■ 35.9863, 0.3907,  
0.2521


■ 23.0191, 0.4868,  
0.2455

■ 42.8328, 0.3716,  
0.2641

■ 51.4287, 0.3549,  
0.2778

■ 61.8863, 0.3407,  
0.2920

 74.3083, 0.3286,  
0.3063

 88.7899, 0.3186,  
0.3200

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



27.0323, 0.2971, 0.1834



27.0323, 0.4346, 0.2377



27.0323, 0.5412, 0.3079

# Triad

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



27.0323, 0.4346, 0.2377



27.0323, 0.3943, 0.5569



27.0323, 0.1130, 0.1938

# Complementary

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



27.0323, 0.4346, 0.2377



74.6807, 0.2710, 0.4691

# 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.



27.0323, 0.1259, 0.2871



27.0323, 0.4346, 0.2377



27.0323, 0.2818, 0.5676

# Square

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



27.0323, 0.4346, 0.2377



27.0323, 0.4957, 0.4735



27.0323, 0.1824, 0.4437



27.0323, 0.1345, 0.1563



# Rectangle

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



27.0323, 0.4346, 0.2377



27.0323, 0.5627, 0.3587



27.0323, 0.1824, 0.4437



27.0323, 0.1132, 0.2174

# Sweetspot

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



27.0274, 0.4346, 0.2377



66.4706, 0.3357, 0.2976



16.8686, 0.2221, 0.1161



13.3124, 0.3403, 0.2924



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.



27.0274, 0.4346, 0.2377



23.8165, 0.4692, 0.2398



24.7700, 0.5752, 0.3255



18.1482, 0.3211, 0.3165



12.0585, 0.4834, 0.2436



1.1962, 0.4597, 0.2306



# Inverse Universe

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



27.0274, 0.4346, 0.2377



23.8165, 0.4692, 0.2398



79.2545, 0.2318, 0.3366



18.1482, 0.3211, 0.3165



12.0585, 0.4834, 0.2436



1.1962, 0.4597, 0.2306



# Previews

## White Background



This preview shows how the Yxy color 27.0323, 0.4346, 0.2377 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

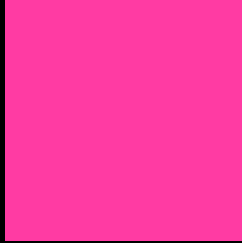
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 27.0323, 0.4346, 0.2377 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

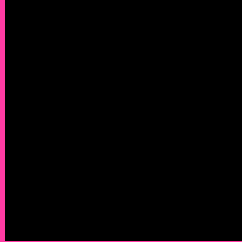
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 27.0323, 0.4346, 0.2377**

## Background



This preview shows how black text looks on a background with the Yxy color 27.0323, 0.4346, 0.2377.



This preview shows how white text looks on a background with the Yxy color 27.0323, 0.4346, 0.2377.

# 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

27.0323, 0.4346, 0.2377

### Protanopia

27.4108, 0.2303, 0.2179

### Deuteranopia

27.0562, 0.3117, 0.3055



## Tritanopia

27.0305, 0.5326, 0.3263

# Trichromacy



## Original Color

27.0323, 0.4346, 0.2377



## Protanomaly

23.5071, 0.2845, 0.2124



## Deuteranomaly

24.1904, 0.3553, 0.2641



## Tritanomaly

26.8079, 0.5007, 0.2942

# Monochromacy



## Original Color

27.0323, 0.4346, 0.2377



## Achromatopsia

21.9526, 0.3127, 0.3290



## Achromatomaly

20.9377, 0.3602, 0.2749

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 27.0323, 0.4346, 0.2377 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(255, 59, 163)` looks like.

```
.text, #text, p{  
  color:rgb(255, 59, 163)  
}
```

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(255, 59, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 59, 163) }
```

## Border

The CSS property to change the border of an element to Yxy 27.0323, 0.4346, 0.2377 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(255, 59, 163) }
```

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

```
.border{ border-color:rgb(255, 59, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 59, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 59, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 59, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 59,  
163) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 27.0323, 0.4346, 0.2377$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 59, 163) }
```

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

```
.background{ background-color: rgb(255, 59,  
163) }
```

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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