

# Converting Colors

$Y_{xy}(28.0731, 0.4374, 0.2471)$

Have a look what the booklet for  
Yxy(28.0731, 0.4374, 0.2471)  
contains.

<b>Yxy(28.0543, 0.4368, 0.2465)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(28.0543, 0.4368, 0.2465)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF45A0
RGB	255, 69, 160
RGB Percent	100%, 27%, 63%
CMY	0.0000, 0.7294, 0.3726
CMYK	0.00, 0.73, 0.37, 0.00
HSL	331°, 100%, 64%
HSV	331°, 73%, 100%
XYZ	49.7124, 28.0543, 36.0438
YIQ	134.9880, 81.6450, 67.7330

# Conversions

## Conversions Part 2

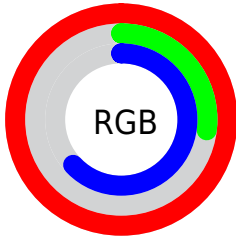
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 69, 160
Decimal	16729504
CIE Lab	59.94, 75.53, -7.43
CIE LCh	60, 75.898, 354.386
Yxy	28.0543, 0.4368, 0.2465
Android (android.graphics.Color)	4294919584 (0xFFFF45A0)
YUV	134.9880, 12.3309, 105.2505
Hunter-Lab	52.9663, 74.8432, -3.2707

# Details

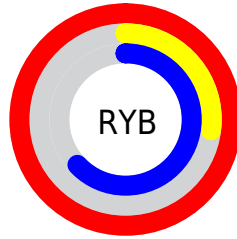
The Yxy color **28.0543, 0.4368, 0.2465** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **75.4673, 0.2678, 0.4500**, and the grayscale version is **24.1567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.3989, 0.3557, 0.2447**, and **12.4416, 0.4692, 0.2358** is the 20% darker color. If you saturate the color by 10%, you get **25.1306, 0.4625, 0.2453**, and if you desaturate by 10%, it is **32.3748, 0.4121, 0.2525**.

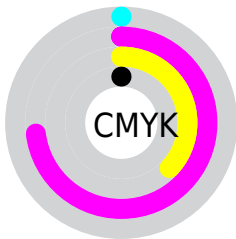
# Distribution



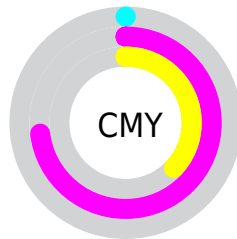
- Red (100%)
- Green (27%)
- Blue (63%)



- Red (100%)
- Yellow (27%)
- Blue (63%)



- Cyan (0%)
- Magenta (73%)
- Yellow (37%)
- Black (0%)




- Cyan (0%)
- Magenta (73%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.0543, 0.4368, 0.2465 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 28.0543, 0.4368, 0.2465 by changing the saturation by 10% instead.





 28.0543, 0.4368,  
0.2465


 28.0543, 0.4368,  
0.2465


292.7263, 0.3712,  
0.2890


 18.3666, 0.4542,  
0.2356


 56.5711, 0.4122,  
0.2622


 11.2135, 0.4770,  
0.2216


 76.1690, 0.4032,  
0.2680


 6.2106, 0.5082,  
0.2028


 99.8391, 0.3956,  
0.2729

 2.9736, 0.5530,  
0.1767

 127.9658, 0.3893,  
0.2771

 1.1180, 0.6212,  
0.1389

 160.9335, 0.3838,  
0.2807

 0.0000, 0.8168,  
0.0000

199.1265, 0.3790,

 0.0000, 1.0000,

0.2838

0.0000

242.9293, 0.3749,  
0.2865

■ 0.0000, 0.0000,  
0.0000

■ 28.0543, 0.4368,  
0.2465

■ 28.0543, 0.4368,  
0.2465

■ 25.1306, 0.4625,  
0.2453

■ 32.3748, 0.4121,  
0.2525

■ 23.4123, 0.4878,  
0.2496


■ 38.2433, 0.3894,  
0.2621


■ 22.7336, 0.5048,  
0.2555

■ 45.7950, 0.3694,  
0.2739

■ 55.1496, 0.3521,  
0.2868

■ 66.4154, 0.3375,  
0.3001

 79.6922, 0.3254,  
0.3131

 95.0730, 0.3153,  
0.3255

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.



28.0543, 0.3068, 0.1923



28.0543, 0.4368, 0.2465



28.0543, 0.5331, 0.3157

# Triad

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



28.0543, 0.4368, 0.2465



28.0543, 0.3867, 0.5503



28.0543, 0.1210, 0.1967

# Complementary

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



28.0543, 0.4368, 0.2465



75.4673, 0.2678, 0.4500

# 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.



28.0543, 0.1318, 0.2826



28.0543, 0.4368, 0.2465



28.0543, 0.2784, 0.5481

# Square

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



28.0543, 0.4368, 0.2465



28.0543, 0.4843, 0.4764



28.0543, 0.1844, 0.4262



28.0543, 0.1441, 0.1624



# Rectangle

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



28.0543, 0.4368, 0.2465



28.0543, 0.5506, 0.3657



28.0543, 0.1844, 0.4262



28.0543, 0.1206, 0.2186

# Sweetspot

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



28.0555, 0.4368, 0.2465



67.5705, 0.3363, 0.3013



19.1602, 0.2328, 0.1271



13.7564, 0.3399, 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.



28.0555, 0.4368, 0.2465



24.1232, 0.4755, 0.2468



25.9479, 0.5648, 0.3297



18.1352, 0.3217, 0.3174



11.9088, 0.5011, 0.2534



1.1815, 0.4750, 0.2391



# Inverse Universe

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



28.0555, 0.4368, 0.2465



24.1232, 0.4755, 0.2468



80.0058, 0.2312, 0.3288



18.1352, 0.3217, 0.3174



11.9088, 0.5011, 0.2534



1.1815, 0.4750, 0.2391



# Previews

## White Background



This preview shows how the Yxy color 28.0543, 0.4368, 0.2465 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

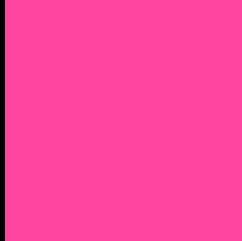
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 28.0543, 0.4368, 0.2465 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

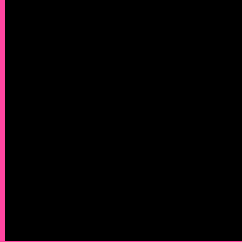
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 28.0543, 0.4368, 0.2465**

## Background



This preview shows how black text looks on a background with the Yxy color 28.0543, 0.4368, 0.2465.



This preview shows how white text looks on a background with the Yxy color 28.0543, 0.4368, 0.2465.

# 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

28.0543, 0.4368, 0.2465

### Protanopia

28.4841, 0.2427, 0.2342

### Deuteranopia

28.0585, 0.3189, 0.3121



## Tritanopia

27.9131, 0.5215, 0.3252

# Trichromacy



## Original Color

28.0543, 0.4368, 0.2465



## Protanomaly

25.0230, 0.2967, 0.2273



## Deuteranomaly

25.5742, 0.3616, 0.2753



## Tritanomaly

27.7171, 0.4934, 0.2959

# Monochromacy



## Original Color

28.0543, 0.4368, 0.2465



## Achromatopsia

24.2281, 0.3127, 0.3290



## Achromatomaly

22.9662, 0.3594, 0.2816

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.0543, 0.4368, 0.2465 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, 69, 160)` looks like.

```
.text, #text, p{  
    color:rgb(255, 69, 160)  
}
```

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, 69, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 69, 160) }
```

## Border

The CSS property to change the border of an element to Yxy 28.0543, 0.4368, 0.2465 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, 69, 160) }
```

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

```
.border{ border-color:rgb(255, 69, 160) }
```

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

Here you see how a box with a 4 pixel rgb(255, 69, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 69, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 69, 160);  
box-shadow:4px 4px 4px 4px rgb(255, 69,  
160) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.0543, 0.4368, 0.2465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 69, 160) }
```

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

```
.background{ background-color: rgb(255, 69,  
160) }
```

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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