

# Converting Colors

$Y_{xy}(29.7181, 0.4322, 0.2537)$

Have a look what the booklet for  
Yxy(29.7181, 0.4322, 0.2537)  
contains.

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**Color**

**Yxy(29.7181, 0.4322, 0.2537)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF51A1
RGB	255, 81, 161
RGB Percent	100%, 32%, 63%
CMY	0.0000, 0.6825, 0.3686
CMYK	0.00, 0.68, 0.37, 0.00
HSL	332°, 100%, 66%
HSV	332°, 68%, 100%
XYZ	50.6274, 29.7181, 36.7933
YIQ	142.1460, 78.0240, 61.7680

# Conversions

## Conversions Part 2

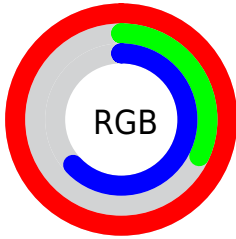
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 81, 161
Decimal	16732577
CIE Lab	61.41, 71.64, -5.84
CIE LCh	61, 71.881, 355.341
Yxy	29.7181, 0.4322, 0.2537
Android (android.graphics.Color)	4294922657 (0xFFFF51A1)
YUV	142.1460, 9.2950, 98.9730
Hunter-Lab	54.5143, 70.3727, -1.8565

# Details

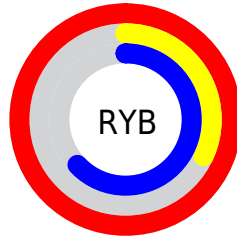
The Yxy color **29.7181, 0.4322, 0.2537** is a light color, and the websafe version is hex **FF3399**. The color can be described as light muted rose. A complement of this color would be **76.3602, 0.2663, 0.4338**, and the grayscale version is **27.0399, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2676, 0.3532, 0.2532**, and **12.4632, 0.4670, 0.2346** is the 20% darker color. If you saturate the color by 10%, you get **26.1503, 0.4594, 0.2507**, and if you desaturate by 10%, it is **34.7492, 0.4066, 0.2609**.

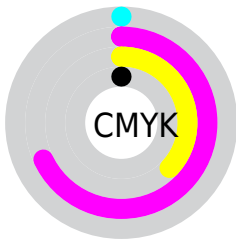
# Distribution



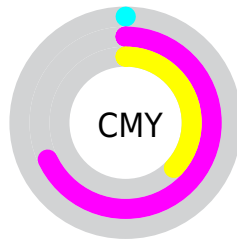
- Red (100%)
- Green (32%)
- Blue (63%)



- Red (100%)
- Yellow (32%)
- Blue (63%)



- Cyan (0%)
- Magenta (68%)
- Yellow (37%)
- Black (0%)




- Cyan (0%)
- Magenta (68%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.7181, 0.4322, 0.2537 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 29.7181, 0.4322, 0.2537 by changing the saturation by 10% instead.





 29.7181, 0.4322,  
0.2537


 29.7181, 0.4322,  
0.2537


300.5882, 0.3693,  
0.2925

 19.6247, 0.4488,  
0.2438


 59.2161, 0.4087,  
0.2680


 12.1225, 0.4706,  
0.2309


 79.3895, 0.4000,  
0.2733

 6.8272, 0.5002,  
0.2136


 103.6917, 0.3928,  
0.2778

 3.3543, 0.5428,  
0.1895

 132.5070, 0.3867,  
0.2816

 1.3194, 0.6076,  
0.1542

166.2200, 0.3814,  
0.2849

 0.1561, 0.7657,  
0.0498

205.2149, 0.3768,


 0.0000, 1.0000,


0.2878


0.0000

249.8762, 0.3728,  
0.2903


 0.0000, 0.0000,  
0.0000


 29.7181, 0.4322,  
0.2537


 29.7181, 0.4322,  
0.2537


 26.1503, 0.4594,  
0.2507


 34.7492, 0.4066,  
0.2609


 23.8930, 0.4869,  
0.2531

 41.4057, 0.3836,  
0.2709


 22.7057, 0.5129,  
0.2608

 49.8085, 0.3636,  
0.2827

 22.5514, 0.5174,  
0.2624

 60.0720, 0.3467,  
0.2951

 72.3005, 0.3325,  
0.3076

 86.5906, 0.3208,  
0.3196

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.



29.7181, 0.3115, 0.2009



29.7181, 0.4322, 0.2537



29.7181, 0.5200, 0.3208

# Triad

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



29.7181, 0.4322, 0.2537



29.7181, 0.3826, 0.5381



29.7181, 0.1307, 0.2035

# Complementary

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



29.7181, 0.4322, 0.2537



76.3602, 0.2663, 0.4338

# 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.



29.7181, 0.1408, 0.2837



29.7181, 0.4322, 0.2537



29.7181, 0.2797, 0.5283

# Square

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



29.7181, 0.4322, 0.2537



29.7181, 0.4746, 0.4741



29.7181, 0.1908, 0.4145



29.7181, 0.1540, 0.1708



# Rectangle

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



29.7181, 0.4322, 0.2537



29.7181, 0.5361, 0.3695



29.7181, 0.1908, 0.4145



29.7181, 0.1302, 0.2241

# Sweetspot

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



29.7122, 0.4322, 0.2537



70.0172, 0.3348, 0.3054



22.0718, 0.2441, 0.1403



14.2286, 0.3387, 0.3019



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.



29.7122, 0.4322, 0.2537



25.1618, 0.4698, 0.2510



28.6307, 0.5386, 0.3344



18.1261, 0.3222, 0.3181



11.8130, 0.5134, 0.2602



1.1720, 0.4859, 0.2450



# Inverse Universe

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



29.7122, 0.4322, 0.2537



25.1618, 0.4698, 0.2510



76.8416, 0.2320, 0.3219



18.1261, 0.3222, 0.3181



11.8130, 0.5134, 0.2602

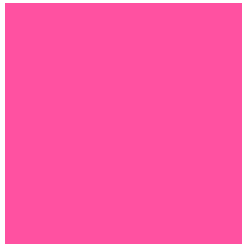


1.1720, 0.4859, 0.2450



# Previews

## White Background



This preview shows how the Yxy color 29.7181, 0.4322, 0.2537 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 29.7181, 0.4322, 0.2537 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 29.7181, 0.4322, 0.2537**

## **Background**



This preview shows how black text looks on a background with the Yxy color 29.7181, 0.4322, 0.2537.



This preview shows how white text looks on a background with the Yxy color 29.7181, 0.4322, 0.2537.

# 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

29.7181, 0.4322, 0.2537

### Protanopia

30.1326, 0.2522, 0.2464

### Deuteranopia

29.7906, 0.3228, 0.3170



## Tritanopia

29.6332, 0.5054, 0.3240

# Trichromacy



## Original Color

29.7181, 0.4322, 0.2537



## Protanomaly

27.1439, 0.3050, 0.2414



## Deuteranomaly

27.6434, 0.3620, 0.2838



## Tritanomaly

29.4378, 0.4798, 0.2981

# Monochromacy



## Original Color

29.7181, 0.4322, 0.2537



## Achromatopsia

27.0498, 0.3127, 0.3290



## Achromatomaly

25.6701, 0.3556, 0.2882

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.7181, 0.4322, 0.2537 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, 81, 161)` looks like.

```
.text, #text, p{  
    color:rgb(255, 81, 161)  
}
```

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, 81, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 81, 161) }
```

## Border

The CSS property to change the border of an element to Yxy 29.7181, 0.4322, 0.2537 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, 81, 161) }
```

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

```
.border{ border-color:rgb(255, 81, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 81, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 81, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 81, 161);  
box-shadow:4px 4px 4px 4px rgb(255, 81,  
161) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.7181, 0.4322, 0.2537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 81, 161) }
```

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

```
.background{ background-color: rgb(255, 81,  
161) }
```

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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