

# Converting Colors

$Y_{xy}(25.3288, 0.5113, 0.2834)$

Have a look what the booklet for  
Yxy(25.3288, 0.5113, 0.2834)  
contains.

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**Color**

**Yxy(25.3033, 0.5111, 0.2831)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF3872
RGB	255, 56, 114
RGB Percent	100%, 22%, 45%
CMY	0.0001, 0.7801, 0.5530
CMYK	0.00, 0.78, 0.55, 0.00
HSL	343°, 100%, 61%
HSV	343°, 78%, 100%
XYZ	45.6818, 25.3033, 18.3943
YIQ	122.1130, 99.9860, 60.2260

# Conversions

## Conversions Part 2

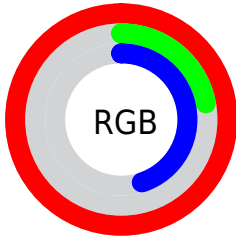
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 56, 114
Decimal	16726130
CIE Lab	57.37, 75.41, 15.94
CIE LCh	57, 77.073, 11.934
Yxy	25.3033, 0.5111, 0.2831
Android (android.graphics.Color)	4294916210 (0xFFFF3872)
YUV	122.1130, -3.9997, 116.5419
Hunter-Lab	50.3024, 74.0745, 13.5309

# Details

The Yxy color **25.3033, 0.5111, 0.2831** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed rose. A complement of this color would be **76.3747, 0.2512, 0.4042**, and the grayscale version is **19.5028, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6879, 0.4129, 0.2831**, and **11.4816, 0.5580, 0.2848** is the 20% darker color. If you saturate the color by 10%, you get **23.0551, 0.5473, 0.2880**, and if you desaturate by 10%, it is **28.8929, 0.4736, 0.2828**.

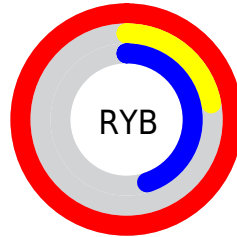
# Distribution



Red (100%)

Green (22%)

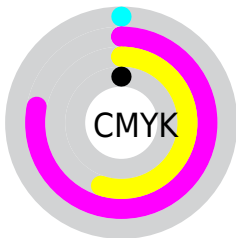
Blue (45%)



Red (100%)

Yellow (22%)

Blue (45%)

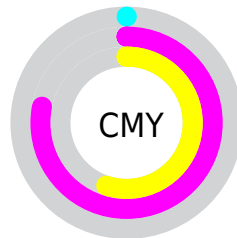


Cyan (0%)

Magenta (78%)

Yellow (55%)

Black (0%)



Cyan (0%)

Magenta (78%)


Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 25.3033, 0.5111, 0.2831 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 25.3033, 0.5111, 0.2831 by changing the saturation by 10% instead.





 25.3033, 0.5111,  
0.2831


 25.3033, 0.5111,  
0.2831


279.3450, 0.4025,  
0.3121


 16.3032, 0.5406,  
0.2737


 52.1488, 0.4697,  
0.2952


 9.7389, 0.5794,  
0.2604


 70.7630, 0.4547,  
0.2993

 5.2262, 0.6319,  
0.2405


 93.3507, 0.4423,  
0.3025

 2.3806, 0.7046,  
0.2093

 120.2963, 0.4318,  
0.3052

 0.8159, 0.8359,  
0.1641

 151.9841, 0.4228,  
0.3074

 0.0000, 1.0000,  
0.0000

188.7985, 0.4151,

 0.0000, 0.0000,

0.3092

0.0000

231.1241, 0.4084,  
0.3108

■ 25.3033, 0.5111,  
0.2831

■ 25.3033, 0.5111,  
0.2831

■ 23.0551, 0.5473,  
0.2880

■ 28.8929, 0.4736,  
0.2828

■ 21.9118, 0.5785,  
0.2972


■ 33.9916, 0.4380,  
0.2863

■ 21.7510, 0.5842,  
0.2992

■ 40.7473, 0.4063,  
0.2923

■ 49.2887, 0.3791,  
0.2996

■ 59.7319, 0.3565,  
0.3076

 72.1829, 0.3379,  
0.3156

 86.7400, 0.3227,  
0.3232

99.9934, 0.3127,  
0.3290

# Harmonies

## Analogous

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



25.3033, 0.3856, 0.2171



25.3033, 0.5111, 0.2831



25.3033, 0.5608, 0.3580

# Triad

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



25.3033, 0.5111, 0.2831



25.3033, 0.3213, 0.5762



25.3033, 0.1243, 0.1656

# Complementary

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



25.3033, 0.5111, 0.2831



76.3747, 0.2512, 0.4042

# 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.



25.3033, 0.1145, 0.2195



25.3033, 0.5111, 0.2831



25.3033, 0.2142, 0.4970

# Square

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



25.3033, 0.5111, 0.2831



25.3033, 0.4316, 0.5303



25.3033, 0.1411, 0.3362



25.3033, 0.1687, 0.1532



# Rectangle

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



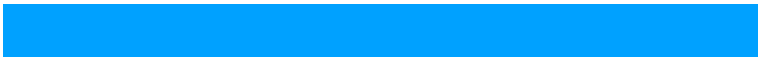
25.3033, 0.5111, 0.2831



25.3033, 0.5431, 0.4125



25.3033, 0.1411, 0.3362



25.3033, 0.1174, 0.1780

# Sweetspot

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



25.3048, 0.5111, 0.2831



65.7238, 0.3467, 0.3116



21.6966, 0.2623, 0.1354



13.1334, 0.3537, 0.3087



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.



25.3048, 0.5111, 0.2831



22.2676, 0.5668, 0.2931



29.8802, 0.5550, 0.3596



18.0741, 0.3248, 0.3221



11.3913, 0.5800, 0.2969



1.1272, 0.5480, 0.2792



# Inverse Universe

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



25.3048, 0.5111, 0.2831



22.2676, 0.5668, 0.2931



56.7582, 0.2158, 0.2782



18.0741, 0.3248, 0.3221



11.3913, 0.5800, 0.2969



1.1272, 0.5480, 0.2792



# Previews

## White Background



This preview shows how the Yxy color 25.3033, 0.5111, 0.2831 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

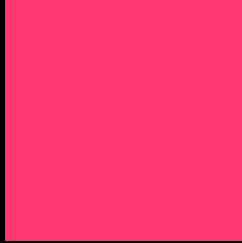
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 25.3033, 0.5111, 0.2831 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

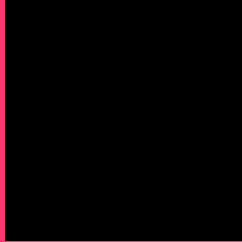
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 25.3033, 0.5111, 0.2831**

## Background



This preview shows how black text looks on a background with the Yxy color 25.3033, 0.5111, 0.2831.



This preview shows how white text looks on a background with the Yxy color 25.3033, 0.5111, 0.2831.

# 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

25.3033, 0.5111, 0.2831

### Protanopia

25.4587, 0.2948, 0.3011

### Deuteranopia

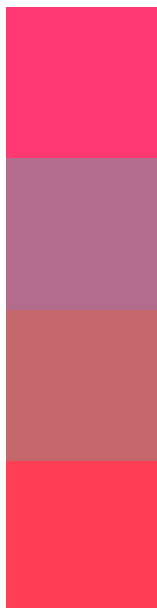
25.1834, 0.3803, 0.3734



## Tritanopia

25.3266, 0.5651, 0.3283

# Trichromacy



## Original Color

25.3033, 0.5111, 0.2831

## Protanomaly

22.1729, 0.3669, 0.2843

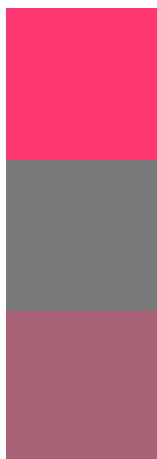
## Deuteranomaly

22.7191, 0.4339, 0.3240

## Tritanomaly

25.2817, 0.5487, 0.3132

# Monochromacy



## Original Color

25.3033, 0.5111, 0.2831

## Achromatopsia

19.4618, 0.3127, 0.3290

## Achromatomaly

18.6133, 0.3874, 0.2971

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 25.3033, 0.5111, 0.2831 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, 56, 114)` looks like.

```
.text, #text, p{  
    color:rgb(255, 56, 114)  
}
```

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, 56, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 56, 114) }
```

## Border

The CSS property to change the border of an element to Yxy 25.3033, 0.5111, 0.2831 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, 56, 114) }
```

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

```
.border{ border-color:rgb(255, 56, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 56, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 56, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 56, 114);  
box-shadow:4px 4px 4px 4px rgb(255, 56,  
114) }
```



# Background

The CSS property to change the background color of an element to Yxy 25.3033, 0.5111, 0.2831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 56, 114) }
```

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

```
.background{ background-color: rgb(255, 56,  
114) }
```

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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