

# Converting Colors

$Y_{xy}(25.8859, 0.4575, 0.2473)$

Have a look what the booklet for  
Yxy(25.8859, 0.4575, 0.2473)  
contains.

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# Color

**Yxy(25.8859, 0.4575, 0.2473)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF3495
RGB	255, 52, 149
RGB Percent	100%, 20%, 58%
CMY	0.0000, 0.7959, 0.4157
CMYK	0.00, 0.80, 0.42, 0.00
HSL	331°, 100%, 60%
HSV	331°, 80%, 100%
XYZ	47.8884, 25.8859, 30.8998
YIQ	123.7550, 89.8510, 73.2030

# Conversions

## Conversions Part 2

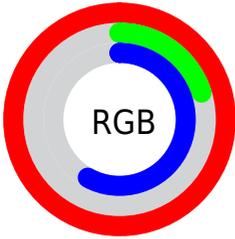
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 52, 149
Decimal	16725141
CIE Lab	57.93, 79.21, -3.97
CIE LCh	58, 79.305, 357.133
Yxy	25.8859, 0.4575, 0.2473
Android (android.graphics.Color)	4294915221 (0xFFFF3495)
YUV	123.7550, 12.4458, 115.1019
Hunter-Lab	50.8782, 78.9738, -0.3938

# Details

The Yxy color **25.8859, 0.4575, 0.2473** 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 **74.7136, 0.2667, 0.4596**, and the grayscale version is **20.0134, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7654, 0.3703, 0.2449**, and **12.0883, 0.4921, 0.2484** is the 20% darker color. If you saturate the color by 10%, you get **23.7891, 0.4838, 0.2500**, and if you desaturate by 10%, it is **29.2617, 0.4312, 0.2500**.

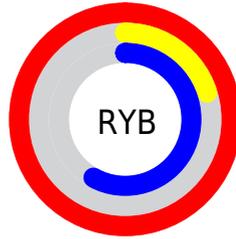
# Distribution



Red (100%)

Green (20%)

Blue (58%)



Red (100%)

Yellow (20%)

Blue (58%)

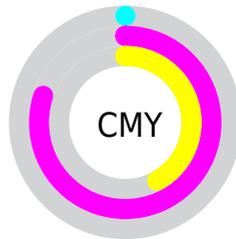


Cyan (0%)

Magenta (80%)

Yellow (42%)

Black (0%)



Cyan (0%)

Magenta (80%)

Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 25.8859, 0.4575, 0.2473 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 25.8859, 0.4575, 0.2473 by changing the saturation by 10% instead.



 25.8859, 0.4575,  
0.2473

 25.8859, 0.4575,  
0.2473

282.2215, 0.3797,  
0.2905

 16.7383, 0.4785,  
0.2359

 53.0908, 0.4280,  
0.2635

 10.0481, 0.5062,  
0.2210

 71.9169, 0.4173,  
0.2694

 5.4308, 0.5444,  
0.2008

 94.7380, 0.4084,  
0.2744

 2.5022, 0.5996,  
0.1722

 121.9384, 0.4009,  
0.2786

 0.8777, 0.6833,  
0.1301

 153.9026, 0.3944,  
0.2822

 0.0000, 0.9867,  
0.0000

191.0149, 0.3889,

 0.0000, 1.0000,

0.2853

0.0000

233.6597, 0.3840,  
0.2881

 0.0000, 0.0000,  
0.0000

 25.8859, 0.4575,  
0.2473

 25.8859, 0.4575,  
0.2473

 23.7891, 0.4838,  
0.2500

 29.2617, 0.4312,  
0.2500

 22.6942, 0.5088,  
0.2578

 34.0869, 0.4064,  
0.2571

 22.6577, 0.5098,  
0.2582

 40.5100, 0.3840,  
0.2673

 48.6598, 0.3644,  
0.2793

 58.6517, 0.3477,  
0.2921

 70.5913, 0.3336,  
0.3051

 84.5760, 0.3220,  
0.3176

99.9976, 0.3127,  
0.3290

# Harmonies

## Analogous

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



25.8859, 0.3178, 0.1892



25.8859, 0.4575, 0.2473



25.8859, 0.5530, 0.3193

# Triad

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



25.8859, 0.4575, 0.2473



25.8859, 0.3765, 0.5685



25.8859, 0.1127, 0.1832

# Complementary

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



25.8859, 0.4575, 0.2473



74.7136, 0.2667, 0.4596

# 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.



25.8859, 0.1195, 0.2665



25.8859, 0.4575, 0.2473



25.8859, 0.2632, 0.5597

# Square

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



25.8859, 0.4575, 0.2473



25.8859, 0.4822, 0.4889



25.8859, 0.1685, 0.4178



25.8859, 0.1396, 0.1525



# Rectangle

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



25.8859, 0.4575, 0.2473



25.8859, 0.5639, 0.3711



25.8859, 0.1685, 0.4178



25.8859, 0.1111, 0.2038

# Sweetspot

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



25.8874, 0.4575, 0.2473



65.0841, 0.3395, 0.2994



16.8376, 0.2270, 0.1152



13.0384, 0.3446, 0.2948



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.



25.8874, 0.4575, 0.2473



23.0172, 0.4999, 0.2546



24.2795, 0.5909, 0.3318



18.1316, 0.3219, 0.3177



11.8702, 0.5059, 0.2561



1.1777, 0.4793, 0.2414



# Inverse Universe

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



25.8874, 0.4575, 0.2473



23.0172, 0.4999, 0.2546



77.3235, 0.2274, 0.3247



18.1316, 0.3219, 0.3177



11.8702, 0.5059, 0.2561



1.1777, 0.4793, 0.2414



# Previews

## White Background



This preview shows how the Yxy color 25.8859, 0.4575, 0.2473 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

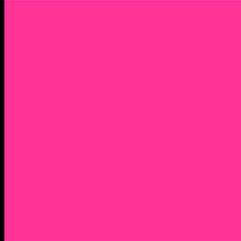
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 25.8859, 0.4575, 0.2473 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

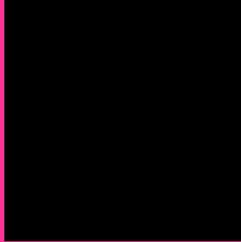
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 25.8859, 0.4575, 0.2473**

## Background



This preview shows how black text looks on a background with the Yxy color 25.8859, 0.4575, 0.2473.



This preview shows how white text looks on a background with the Yxy color 25.8859, 0.4575, 0.2473.

# 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

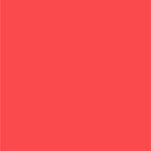
25.8859, 0.4575, 0.2473

### Protanopia

26.0775, 0.2413, 0.2312

### Deuteranopia

25.9643, 0.3288, 0.3227



## Tritanopia

25.9426, 0.5498, 0.3274

# Trichromacy



## Original Color

25.8859, 0.4575, 0.2473



## Protanomaly

22.0518, 0.3003, 0.2219



## Deuteranomaly

23.0335, 0.3762, 0.2773



## Tritanomaly

25.5711, 0.5208, 0.2990

# Monochromacy



## Original Color

25.8859, 0.4575, 0.2473



## Achromatopsia

20.1556, 0.3127, 0.3290



## Achromatomaly

19.1995, 0.3693, 0.2768

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 25.8859, 0.4575, 0.2473 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, 52, 149)` looks like.

```
.text, #text, p{  
    color:rgb(255, 52, 149)  
}
```

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, 52, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 52, 149) }
```

## Border

The CSS property to change the border of an element to Yxy 25.8859, 0.4575, 0.2473 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, 52, 149) }
```

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

```
.border{ border-color:rgb(255, 52, 149) }
```

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

Here you see how a box with a 4 pixel rgb(255, 52, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 52, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 52, 149);  
box-shadow:4px 4px 4px 4px rgb(255, 52,  
149) }
```



# Background

The CSS property to change the background color of an element to Yxy 25.8859, 0.4575, 0.2473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 52, 149) }
```

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

```
.background{ background-color: rgb(255, 52,  
149) }
```

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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