

# Converting Colors

$Y_{xy}(27.7616, 0.5098, 0.3119)$

Have a look what the booklet for  
Yxy(27.7616, 0.5098, 0.3119)  
contains.

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**Color**

**Yxy(27.8291, 0.5099, 0.3125)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FB5467
RGB	251, 84, 103
RGB Percent	98%, 33%, 40%
CMY	0.0156, 0.6706, 0.5960
CMYK	0.00, 0.67, 0.59, 0.02
HSL	353°, 95%, 66%
HSV	353°, 67%, 98%
XYZ	45.4082, 27.8291, 15.8158
YIQ	136.0990, 93.4330, 41.3130

# Conversions

## Conversions Part 2

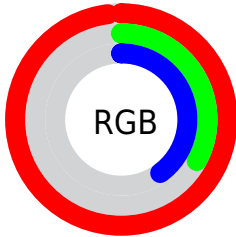
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	251, 84, 103
Decimal	16471143
CIE <sub>Lab</sub>	59.73, 64.43, 25.44
CIE <sub>LCh</sub>	60, 69.274, 21.548
Yxy	27.8291, 0.5099, 0.3125
Android (android.graphics.Color)	4294661223 (0xFFFB5467)
YUV	136.0990, -16.3178, 100.7682
Hunter-Lab	52.7533, 61.3283, 19.1517

# Details

The Yxy color **27.8291, 0.5099, 0.3125** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted rose. A complement of this color would be **76.7154, 0.2421, 0.3522**, and the grayscale version is **24.6946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9391, 0.4186, 0.3168**, and **11.1071, 0.5757, 0.2972** is the 20% darker color. If you saturate the color by 10%, you get **24.2194, 0.5547, 0.3137**, and if you desaturate by 10%, it is **32.9558, 0.4656, 0.3132**.

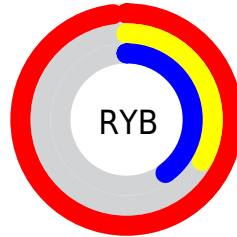
# Distribution



Red (98%)

Green (33%)

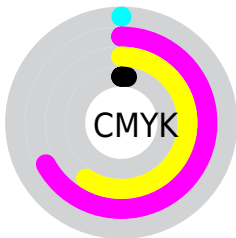
Blue (40%)



Red (98%)

Yellow (33%)

Blue (40%)

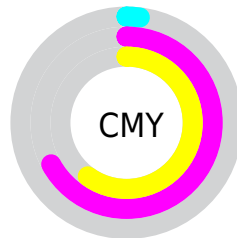


Cyan (0%)

Magenta (67%)

Yellow (59%)

Black (2%)



Cyan (2%)

Magenta (67%)


Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 27.8291, 0.5099, 0.3125 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 27.8291, 0.5099, 0.3125 by changing the saturation by 10% instead.




 27.8291, 0.5099,  
0.3125


 27.8291, 0.5099,  
0.3125


291.6494, 0.4032,  
0.3274


 18.1969, 0.5382,  
0.3062


 56.2115, 0.4696,  
0.3197

 11.0914, 0.5750,  
0.2966


 75.7304, 0.4549,  
0.3219

 6.1284, 0.6239,  
0.2810

 99.3137, 0.4426,  
0.3235

 2.9233, 0.6923,  
0.2553

 127.3458, 0.4323,  
0.3247

 1.0918, 0.7897,  
0.2103

160.2110, 0.4234,  
0.3256

 0.0000, 1.0000,  
0.0000

198.2937, 0.4157,

 0.0000, 0.0000,

0.3263

0.0000

241.9784, 0.4090,  
0.3269

■ 27.8291, 0.5099,  
0.3125

■ 27.8291, 0.5099,  
0.3125

■ 24.2194, 0.5547,  
0.3137

■ 32.9558, 0.4656,  
0.3132

■ 21.9553, 0.5941,  
0.3171

■ 39.7375, 0.4256,  
0.3153


■ 20.8303, 0.6221,  
0.3223


■ 48.3015, 0.3916,  
0.3181

■ 20.5995, 0.6289,  
0.3238

■ 58.7620, 0.3636,  
0.3211

■ 71.2230, 0.3409,  
0.3242

 85.7815, 0.3226,  
0.3272

 99.2527, 0.3103,  
0.3290

# Harmonies

## Analogous

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



27.8291, 0.4159, 0.2471



27.8291, 0.5099, 0.3125



27.8291, 0.5310, 0.3852

# Triad

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



27.8291, 0.5099, 0.3125



27.8291, 0.2933, 0.5323



27.8291, 0.1510, 0.1747

# Complementary

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



27.8291, 0.5099, 0.3125



76.7154, 0.2421, 0.3522

# 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.



27.8291, 0.1320, 0.2123



27.8291, 0.5099, 0.3125



27.8291, 0.2019, 0.4306

# Square

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



27.8291, 0.5099, 0.3125



27.8291, 0.3949, 0.5300



27.8291, 0.1467, 0.2986



27.8291, 0.2046, 0.1719



# Rectangle

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



27.8291, 0.5099, 0.3125



27.8291, 0.5047, 0.4369



27.8291, 0.1467, 0.2986



27.8291, 0.1410, 0.1828

# Sweetspot

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



27.8307, 0.5099, 0.3125



69.0895, 0.3482, 0.3232



30.3820, 0.3011, 0.1703



14.0091, 0.3546, 0.3223



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.



27.8307, 0.5099, 0.3125



24.1254, 0.5695, 0.3147



42.3369, 0.4807, 0.3915



17.2574, 0.3276, 0.3263



10.8365, 0.6265, 0.3225



1.0137, 0.6020, 0.3090



# Inverse Universe

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



27.8307, 0.5099, 0.3125



24.1254, 0.5695, 0.3147



44.3863, 0.2145, 0.2452



17.2574, 0.3276, 0.3263



10.8365, 0.6265, 0.3225



1.0137, 0.6020, 0.3090



# Previews

## White Background



This preview shows how the Yxy color 27.8291, 0.5099, 0.3125 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 27.8291, 0.5099, 0.3125 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 27.8291, 0.5099, 0.3125**

## Background



This preview shows how black text looks on a background with the Yxy color 27.8291, 0.5099, 0.3125.



This preview shows how white text looks on a background with the Yxy color 27.8291, 0.5099, 0.3125.

# 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

27.8291, 0.5099, 0.3125

### Protanopia

28.0423, 0.3333, 0.3516

### Deuteranopia

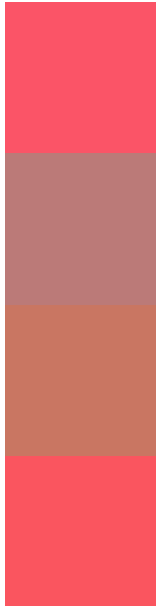
27.8874, 0.3999, 0.3928



## Tritanopia

27.7349, 0.5235, 0.3252

# Trichromacy



## Original Color

27.8291, 0.5099, 0.3125

## Protanomaly

25.8399, 0.3964, 0.3321

## Deuteranomaly

26.2562, 0.4433, 0.3552

## Tritanomaly

27.6472, 0.5191, 0.3208

# Monochromacy



## Original Color

27.8291, 0.5099, 0.3125

## Achromatopsia

24.6201, 0.3127, 0.3290

## Achromatomaly

23.6428, 0.3825, 0.3189

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 27.8291, 0.5099, 0.3125 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(251, 84, 103)` looks like.

```
.text, #text, p{  
    color:rgb(251, 84, 103)  
}
```

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(251, 84, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 84, 103) }
```

## Border

The CSS property to change the border of an element to Yxy 27.8291, 0.5099, 0.3125 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(251, 84, 103) }
```

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

```
.border{ border-color:rgb(251, 84, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 84, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 84, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 84, 103);  
box-shadow:4px 4px 4px 4px rgb(251, 84,  
103) }
```



# Background

The CSS property to change the background color of an element to Yxy 27.8291, 0.5099, 0.3125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 84, 103) }
```

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

```
.background{ background-color: rgb(251, 84,  
103) }
```

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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