

# Converting Colors

$Y_{xy}(26.7833, 0.5180, 0.3014)$

Have a look what the booklet for  
Yxy(26.7833, 0.5180, 0.3014)  
contains.

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**Color**

**Yxy(26.7864, 0.5177, 0.3012)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF4769
RGB	255, 71, 105
RGB Percent	100%, 28%, 41%
CMY	0.0000, 0.7215, 0.5883
CMYK	0.00, 0.72, 0.59, 0.00
HSL	349°, 100%, 64%
HSV	349°, 72%, 100%
XYZ	46.0402, 26.7864, 16.1056
YIQ	129.8920, 98.7500, 49.5820

# Conversions

## Conversions Part 2

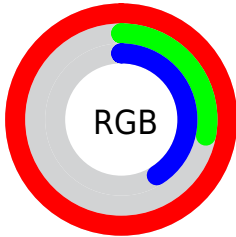
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 71, 105
Decimal	16729961
CIE <sub>Lab</sub>	58.78, 70.37, 23.15
CIE <sub>LCh</sub>	59, 74.078, 18.213
Yxy	26.7864, 0.5177, 0.3012
Android (android.graphics.Color)	4294920041 (0xFFFF4769)
YUV	129.8920, -12.2718, 109.7197
Hunter-Lab	51.7556, 68.2161, 17.7787

# Details

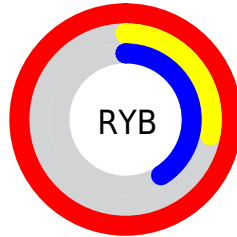
The Yxy color **26.7864, 0.5177, 0.3012** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed rose. A complement of this color would be **78.0766, 0.2445, 0.3713**, and the grayscale version is **22.3051, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1628, 0.4206, 0.3044**, and **11.3819, 0.5755, 0.2944** is the 20% darker color. If you saturate the color by 10%, you get **23.8188, 0.5591, 0.3040**, and if you desaturate by 10%, it is **31.2212, 0.4754, 0.3015**.

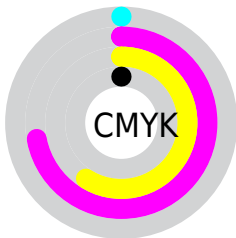
# Distribution



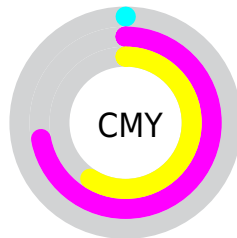
- Red (100%)
- Green (28%)
- Blue (41%)



- Red (100%)
- Yellow (28%)
- Blue (41%)



- Cyan (0%)
- Magenta (72%)
- Yellow (59%)
- Black (0%)




- Cyan (0%)
- Magenta (72%)
- Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.7864, 0.5177, 0.3012 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 26.7864, 0.5177, 0.3012 by changing the saturation by 10% instead.





 26.7864, 0.5177,  
0.3012

 26.7864, 0.5177,  
0.3012


286.6214, 0.4063,  
0.3220


 17.4129, 0.5474,  
0.2934


 54.5409, 0.4756,  
0.3106

 10.5293, 0.5860,  
0.2819


 73.6907, 0.4602,  
0.3136

 5.7513, 0.6375,  
0.2639

 96.8680, 0.4474,  
0.3158

 2.6944, 0.7088,  
0.2350

 124.4572, 0.4366,  
0.3176

 0.9744, 0.8127,  
0.1873

 156.8428, 0.4274,  
0.3191

 0.0000, 1.0000,  
0.0000


194.4091, 0.4194,

 0.0000, 0.0000,


0.3202


0.0000


237.5405, 0.4124,  
0.3212


 26.7864, 0.5177,  
0.3012

 26.7864, 0.5177,  
0.3012

 23.8188, 0.5591,  
0.3040


 31.2212, 0.4754,  
0.3015


 22.1230, 0.5945,  
0.3102

 37.2769, 0.4361,  
0.3043

 21.4641, 0.6153,  
0.3163

 45.0928, 0.4019,  
0.3084

 54.7922, 0.3733,  
0.3133

 66.4868, 0.3499,  
0.3184

 80.2800, 0.3309,  
0.3234

 96.2677, 0.3156,  
0.3280

99.9982, 0.3127,  
0.3290

# Harmonies

## Analogous

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



26.7864, 0.4095, 0.2344



26.7864, 0.5177, 0.3012



26.7864, 0.5478, 0.3758

# Triad

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



26.7864, 0.5177, 0.3012



26.7864, 0.3010, 0.5566



26.7864, 0.1377, 0.1673

# Complementary

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



26.7864, 0.5177, 0.3012



78.0766, 0.2445, 0.3713

# 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.



26.7864, 0.1215, 0.2105



26.7864, 0.5177, 0.3012



26.7864, 0.2019, 0.4564

# Square

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



26.7864, 0.5177, 0.3012



26.7864, 0.4082, 0.5370



26.7864, 0.1401, 0.3085



26.7864, 0.1890, 0.1615



# Rectangle

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



26.7864, 0.5177, 0.3012



26.7864, 0.5225, 0.4300



26.7864, 0.1401, 0.3085



26.7864, 0.1286, 0.1769

# Sweetspot

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



26.7880, 0.5177, 0.3012



66.6770, 0.3495, 0.3185



26.6654, 0.2847, 0.1541



13.5475, 0.3554, 0.3171



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.



26.7880, 0.5177, 0.3012



22.8519, 0.5774, 0.3067



36.6907, 0.5142, 0.3784



18.0418, 0.3265, 0.3246



11.2320, 0.6119, 0.3145



1.1076, 0.5829, 0.2985



# Inverse Universe

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



26.7880, 0.5177, 0.3012



22.8519, 0.5774, 0.3067



49.7768, 0.2137, 0.2578



18.0418, 0.3265, 0.3246



11.2320, 0.6119, 0.3145



1.1076, 0.5829, 0.2985



# Previews

## White Background



This preview shows how the Yxy color 26.7864, 0.5177, 0.3012 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 26.7864, 0.5177, 0.3012 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 26.7864, 0.5177, 0.3012**

## Background



This preview shows how black text looks on a background with the Yxy color 26.7864, 0.5177, 0.3012.



This preview shows how white text looks on a background with the Yxy color 26.7864, 0.5177, 0.3012.

# 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

26.7864, 0.5177, 0.3012

### Protanopia

26.8756, 0.3211, 0.3356

### Deuteranopia

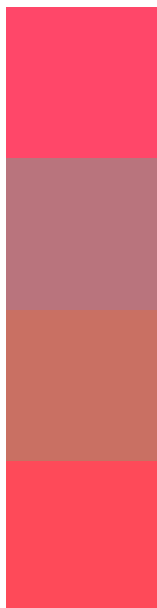
26.9989, 0.3966, 0.3895



## Tritanopia

26.8189, 0.5468, 0.3266

# Trichromacy



## Original Color

26.7864, 0.5177, 0.3012

## Protanomaly

24.2857, 0.3903, 0.3164

## Deuteranomaly

24.9067, 0.4466, 0.3461

## Tritanomaly

26.6897, 0.5370, 0.3176

# Monochromacy



## Original Color

26.7864, 0.5177, 0.3012

## Achromatopsia

22.3228, 0.3127, 0.3290

## Achromatomaly

21.4317, 0.3863, 0.3113

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.7864, 0.5177, 0.3012 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, 71, 105)` looks like.

```
.text, #text, p{  
    color:rgb(255, 71, 105)  
}
```

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, 71, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 71, 105) }
```

## Border

The CSS property to change the border of an element to Yxy 26.7864, 0.5177, 0.3012 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, 71, 105) }
```

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

```
.border{ border-color:rgb(255, 71, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 71, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 71, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 71, 105);  
box-shadow:4px 4px 4px 4px rgb(255, 71,  
105) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.7864, 0.5177, 0.3012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 71, 105) }
```

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

```
.background{ background-color: rgb(255, 71,  
105) }
```

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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