

# Converting Colors

$Y_{xy}(30.0946, 0.4750, 0.2950)$

Have a look what the booklet for  
Yxy(30.0946, 0.4750, 0.2950)  
contains.

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# Color

**Yxy(30.0853, 0.4756, 0.2954)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FE5B7F
RGB	254, 91, 127
RGB Percent	100%, 36%, 50%
CMY	0.0040, 0.6430, 0.5021
CMYK	0.00, 0.64, 0.50, 0.00
HSL	347°, 99%, 68%
HSV	347°, 64%, 100%
XYZ	48.4379, 30.0853, 23.3227
YIQ	143.8410, 85.5920, 45.7520

# Conversions

## Conversions Part 2

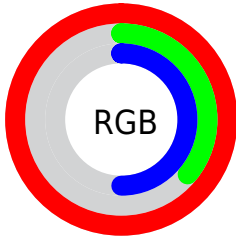
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	254, 91, 127
Decimal	16669567
CIE Lab	61.73, 64.35, 14.35
CIE LCh	62, 65.926, 12.570
Yxy	30.0853, 0.4756, 0.2954
Android (android.graphics.Color)	4294859647 (0xFFFE5B7F)
YUV	143.8410, -8.3026, 96.6094
Hunter-Lab	54.8501, 61.6452, 13.1844

# Details

The Yxy color **30.0853, 0.4756, 0.2954** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **78.1610, 0.2505, 0.3735**, and the grayscale version is **27.8354, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.0502, 0.3881, 0.2968**, and **12.3693, 0.5305, 0.2802** is the 20% darker color. If you saturate the color by 10%, you get **25.9865, 0.5164, 0.2952**, and if you desaturate by 10%, it is **35.7575, 0.4374, 0.2984**.

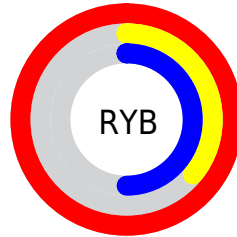
# Distribution



Red (100%)

Green (36%)

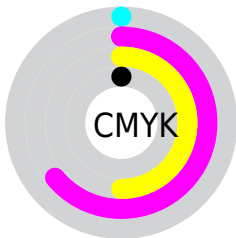
Blue (50%)



Red (100%)

Yellow (36%)

Blue (50%)

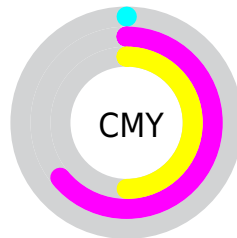


Cyan (0%)

Magenta (64%)

Yellow (50%)

Black (0%)



Cyan (0%)

Magenta (64%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.0853, 0.4756, 0.2954 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 30.0853, 0.4756, 0.2954 by changing the saturation by 10% instead.





 30.0853, 0.4756,  
0.2954


 30.0853, 0.4756,  
0.2954


302.3019, 0.3882,  
0.3162


 19.9033, 0.4990,  
0.2888


 59.7970, 0.4426,  
0.3040

 12.3248, 0.5297,  
0.2795

 80.0956, 0.4305,  
0.3069

 6.9653, 0.5714,  
0.2657


 104.5352, 0.4205,  
0.3092

 3.4404, 0.6303,  
0.2439

 133.5002, 0.4120,  
0.3112

 1.3657, 0.7268,  
0.2100

167.3749, 0.4048,  
0.3128

 0.1913, 0.9173,  
0.0827

206.5439, 0.3985,

 0.0000, 1.0000,

0.3141

0.0000

251.3914, 0.3930,  
0.3152

■ 0.0000, 0.0000,  
0.0000

■ 30.0853, 0.4756,  
0.2954

■ 30.0853, 0.4756,  
0.2954

■ 25.9865, 0.5164,  
0.2952

■ 35.7575, 0.4374,  
0.2984

■ 23.2952, 0.5562,  
0.2988

■ 43.1371, 0.4039,  
0.3033


■ 21.8165, 0.5902,  
0.3061

■ 52.3495, 0.3756,  
0.3091

■ 21.3526, 0.6061,  
0.3112

■ 63.5068, 0.3524,  
0.3151

■ 76.7120, 0.3335,  
0.3211

 92.0610, 0.3182,  
0.3268

99.8070, 0.3121,  
0.3290

# Harmonies

## Analogous

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



30.0853, 0.3759, 0.2360



30.0853, 0.4756, 0.2954



30.0853, 0.5187, 0.3637

# Triad

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



30.0853, 0.4756, 0.2954



30.0853, 0.3256, 0.5259



30.0853, 0.1510, 0.1906

# Complementary

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



30.0853, 0.4756, 0.2954



78.1610, 0.2505, 0.3735

# 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.



30.0853, 0.1424, 0.2397



30.0853, 0.4756, 0.2954



30.0853, 0.2332, 0.4578

# Square

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



30.0853, 0.4756, 0.2954



30.0853, 0.4196, 0.5034



30.0853, 0.1683, 0.3357



30.0853, 0.1922, 0.1783



# Rectangle

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



30.0853, 0.4756, 0.2954



30.0853, 0.5079, 0.4119



30.0853, 0.1683, 0.3357



30.0853, 0.1446, 0.2023

# Sweetspot

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



30.0870, 0.4756, 0.2954



70.6899, 0.3421, 0.3182



29.2356, 0.2838, 0.1662



14.3312, 0.3477, 0.3165



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.



30.0870, 0.4756, 0.2954



25.3104, 0.5281, 0.2958



39.0084, 0.4886, 0.3712



18.0527, 0.3259, 0.3238



11.2772, 0.6024, 0.3092



1.1135, 0.5717, 0.2923



# Inverse Universe

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



30.0870, 0.4756, 0.2954



25.3104, 0.5281, 0.2958



55.7349, 0.2233, 0.2742



18.0527, 0.3259, 0.3238



11.2772, 0.6024, 0.3092



1.1135, 0.5717, 0.2923



# Previews

## White Background



This preview shows how the Yxy color 30.0853, 0.4756, 0.2954 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.0853, 0.4756, 0.2954 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

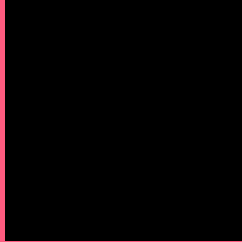
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 30.0853, 0.4756, 0.2954**

## Background



This preview shows how black text looks on a background with the Yxy color 30.0853, 0.4756, 0.2954.



This preview shows how white text looks on a background with the Yxy color 30.0853, 0.4756, 0.2954.

# 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

30.0853, 0.4756, 0.2954

### Protanopia

30.4132, 0.3062, 0.3167

### Deuteranopia

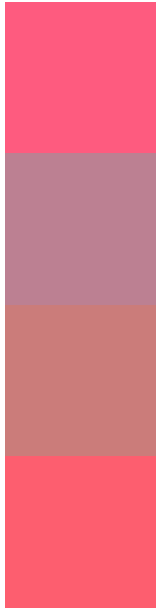
29.9755, 0.3723, 0.3646



## Tritanopia

30.0205, 0.5043, 0.3240

# Trichromacy



## Original Color

30.0853, 0.4756, 0.2954

## Protanomaly

28.2050, 0.3629, 0.3042

## Deuteranomaly

28.5170, 0.4114, 0.3319

## Tritanomaly

30.0358, 0.4948, 0.3137

# Monochromacy



## Original Color

30.0853, 0.4756, 0.2954

## Achromatopsia

27.8894, 0.3127, 0.3290

## Achromatomaly

26.6926, 0.3689, 0.3107

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.0853, 0.4756, 0.2954 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(254, 91, 127)` looks like.

```
.text, #text, p{  
    color:rgb(254, 91, 127)  
}
```

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(254, 91, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 91, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 30.0853, 0.4756, 0.2954 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(254, 91, 127) }
```

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

```
.border{ border-color:rgb(254, 91, 127) }
```

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

Here you see how a box with a 4 pixel rgb(254, 91, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 91, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 91, 127);  
box-shadow:4px 4px 4px 4px rgb(254, 91,  
127) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.0853, 0.4756, 0.2954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 91, 127) }
```

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

```
.background{ background-color: rgb(254, 91,  
127) }
```

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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