

# Converting Colors

$Y_{xy}(28.4884, 0.4761, 0.3073)$

Have a look what the booklet for  
Yxy(28.4884, 0.4761, 0.3073)  
contains.

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# Color

**Yxy(28.5235, 0.4770, 0.3074)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F35F75
RGB	243, 95, 117
RGB Percent	95%, 37%, 46%
CMY	0.0471, 0.6273, 0.5411
CMYK	0.00, 0.61, 0.52, 0.05
HSL	351°, 86%, 66%
HSV	351°, 61%, 95%
XYZ	44.2606, 28.5235, 20.0054
YIQ	141.7600, 81.1460, 38.2180

# Conversions

## Conversions Part 2

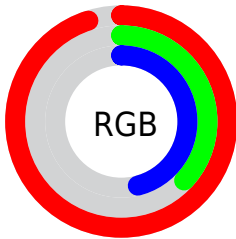
Format	Color
R <sub>YB</sub>	243, 95, 117
Decimal	15949685
CIE Lab	60.36, 58.42, 17.95
CIE LCh	60, 61.116, 17.083
Yxy	28.5235, 0.4770, 0.3074
Android (android.graphics.Color)	4294139765 (0xFFFF35F75)
YUV	141.7600, -12.2067, 88.7875
Hunter-Lab	53.4074, 54.4663, 15.1762

# Details

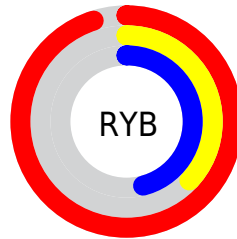
The Yxy color **28.5235, 0.4770, 0.3074** is a light color, and the websafe version is hex **FF6666**. The color can be described as light muted rose. A complement of this color would be **71.7437, 0.2476, 0.3566**, and the grayscale version is **26.9797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2578, 0.3990, 0.3103**, and **11.3975, 0.5330, 0.2935** is the 20% darker color. If you saturate the color by 10%, you get **24.3737, 0.5206, 0.3071**, and if you desaturate by 10%, it is **34.1486, 0.4366, 0.3096**.

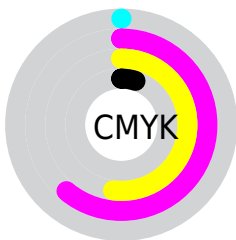
# Distribution



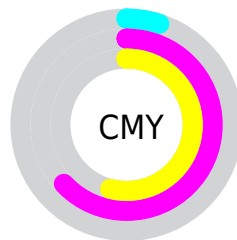
- Red (95%)
- Green (37%)
- Blue (46%)



- Red (95%)
- Yellow (37%)
- Blue (46%)



- Cyan (0%)
- Magenta (61%)
- Yellow (52%)
- Black (5%)




- Cyan (5%)
- Magenta (63%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.5235, 0.4770, 0.3074 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 28.5235, 0.4770, 0.3074 by changing the saturation by 10% instead.





 28.5235, 0.4770,  
0.3074


 28.5235, 0.4770,  
0.3074


294.9600, 0.3879,  
0.3227

 18.7207, 0.5011,  
0.3019


 57.3192, 0.4431,  
0.3141


 11.4686, 0.5330,  
0.2938


 77.0808, 0.4308,  
0.3163

 6.3830, 0.5764,  
0.2810


 100.9307, 0.4206,  
0.3180

 3.0793, 0.6379,  
0.2594

 129.2535, 0.4120,  
0.3193

 1.1733, 0.7674,  
0.2326

162.4334, 0.4047,  
0.3204

 0.0397, 0.9762,  
0.0238

200.8548, 0.3983,

 0.0000, 1.0000,

0.3213

0.0000

244.9022, 0.3928,  
0.3220

0.0000, 0.0000,  
0.0000

28.5235, 0.4770,  
0.3074

28.5235, 0.4770,  
0.3074

24.3737, 0.5206,  
0.3071

34.1486, 0.4366,  
0.3096

21.5557, 0.5633,  
0.3094

41.3657, 0.4016,  
0.3130


19.9053, 0.5994,  
0.3145


50.2850, 0.3724,  
0.3170

19.1791, 0.6226,  
0.3204

61.0058, 0.3486,  
0.3210

73.6195, 0.3294,  
0.3250

 88.2115, 0.3139,  
0.3287

 97.7911, 0.3053,  
0.3290

# Harmonies

## Analogous

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



28.5235, 0.3885, 0.2482



28.5235, 0.4770, 0.3074



28.5235, 0.5085, 0.3743

# Triad

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



28.5235, 0.4770, 0.3074



28.5235, 0.3126, 0.5099



28.5235, 0.1618, 0.1933

# Complementary

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



28.5235, 0.4770, 0.3074



71.7437, 0.2476, 0.3566

# 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.



28.5235, 0.1490, 0.2351



28.5235, 0.4770, 0.3074



28.5235, 0.2264, 0.4337

# Square

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



28.5235, 0.4770, 0.3074



28.5235, 0.4035, 0.5023



28.5235, 0.1692, 0.3198



28.5235, 0.2068, 0.1855



# Rectangle

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



28.5235, 0.4770, 0.3074



28.5235, 0.4932, 0.4209



28.5235, 0.1692, 0.3198



28.5235, 0.1540, 0.2030

# Sweetspot

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



28.5251, 0.4770, 0.3074



71.8637, 0.3427, 0.3222



29.9979, 0.2978, 0.1786



14.5514, 0.3488, 0.3210



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.



28.5251, 0.4770, 0.3074



26.3517, 0.5307, 0.3074



40.6864, 0.4654, 0.3831



16.5226, 0.3270, 0.3255



10.5401, 0.6198, 0.3188



0.9382, 0.5898, 0.3023



# Inverse Universe

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



28.5251, 0.4770, 0.3074



26.3517, 0.5307, 0.3074



46.2516, 0.2230, 0.2607



16.5226, 0.3270, 0.3255



10.5401, 0.6198, 0.3188



0.9382, 0.5898, 0.3023



# Previews

## White Background



This preview shows how the Yxy color 28.5235, 0.4770, 0.3074 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

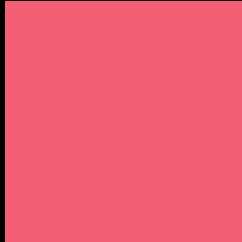
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 28.5235, 0.4770, 0.3074 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

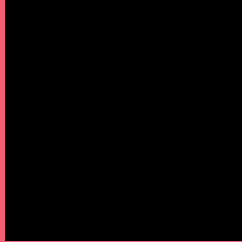
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 28.5235, 0.4770, 0.3074**

## Background



This preview shows how black text looks on a background with the Yxy color 28.5235, 0.4770, 0.3074.



This preview shows how white text looks on a background with the Yxy color 28.5235, 0.4770, 0.3074.

# 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

28.5235, 0.4770, 0.3074

### Protanopia

28.5934, 0.3199, 0.3338

### Deuteranopia

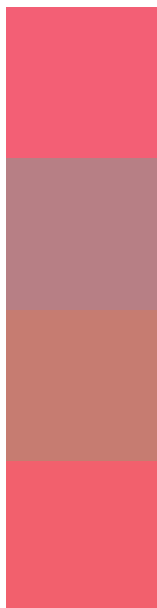
28.6526, 0.3813, 0.3740



## Tritanopia

28.4261, 0.4924, 0.3226

# Trichromacy



## Original Color

28.5235, 0.4770, 0.3074

## Protanomaly

26.9395, 0.3731, 0.3206

## Deuteranomaly

27.6133, 0.4170, 0.3440

## Tritanomaly

28.3471, 0.4864, 0.3165

# Monochromacy



## Original Color

28.5235, 0.4770, 0.3074

## Achromatopsia

27.0498, 0.3127, 0.3290

## Achromatomaly

25.9444, 0.3691, 0.3175

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.5235, 0.4770, 0.3074 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(243, 95, 117)` looks like.

```
.text, #text, p{  
    color:rgb(243, 95, 117)  
}
```

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(243, 95, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 95, 117) }
```

## Border

The CSS property to change the border of an element to Yxy 28.5235, 0.4770, 0.3074 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(243, 95, 117) }
```

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

```
.border{ border-color:rgb(243, 95, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 95, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 95, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 95, 117);  
box-shadow:4px 4px 4px 4px rgb(243, 95,  
117) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.5235, 0.4770, 0.3074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 95, 117) }
```

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

```
.background{ background-color: rgb(243, 95,  
117) }
```

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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