

# Converting Colors

$Y_{xy}(29.9394, 0.4469, 0.2870)$

Have a look what the booklet for  
Yxy(29.9394, 0.4469, 0.2870)  
contains.

<b>Yxy(30.0119, 0.4469, 0.2873)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(30.0119, 0.4469, 0.2873)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5628B
RGB	245, 98, 139
RGB Percent	96%, 38%, 55%
CMY	0.0392, 0.6156, 0.4548
CMYK	0.00, 0.60, 0.43, 0.04
HSL	343°, 88%, 67%
HSV	343°, 60%, 96%
XYZ	46.6840, 30.0119, 27.7660
YIQ	146.6270, 74.4510, 43.9150

# Conversions

## Conversions Part 2

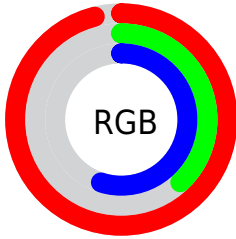
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 98, 139
Decimal	16081547
CIE Lab	61.66, 59.74, 7.08
CIE LCh	62, 60.157, 6.756
Yxy	30.0119, 0.4469, 0.2873
Android (android.graphics.Color)	4294271627 (0xFF5628B)
YUV	146.6270, -3.7601, 86.2731
Hunter-Lab	54.7831, 56.2402, 8.2980

# Details

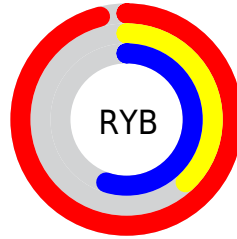
The Yxy color **30.0119, 0.4469, 0.2873** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **72.2580, 0.2566, 0.3816**, and the grayscale version is **29.0106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1770, 0.3745, 0.2896**, and **12.2978, 0.4924, 0.2720** is the 20% darker color. If you saturate the color by 10%, you get **25.6333, 0.4836, 0.2847**, and if you desaturate by 10%, it is **35.8797, 0.4138, 0.2926**.

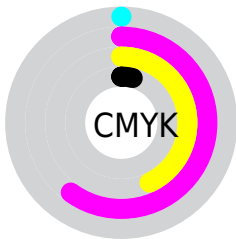
# Distribution



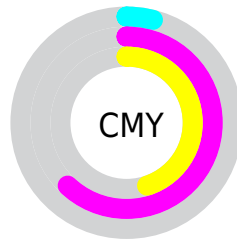
- Red (96%)
- Green (38%)
- Blue (55%)



- Red (96%)
- Yellow (38%)
- Blue (55%)



- Cyan (0%)
- Magenta (60%)
- Yellow (43%)
- Black (4%)




- Cyan (4%)
- Magenta (62%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.0119, 0.4469, 0.2873 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 30.0119, 0.4469, 0.2873 by changing the saturation by 10% instead.




 30.0119, 0.4469,  
0.2873


 30.0119, 0.4469,  
0.2873


301.9599, 0.3749,  
0.3108


 19.8476, 0.4663,  
0.2805


 59.6810, 0.4196,  
0.2965


 12.2843, 0.4920,  
0.2713


 79.9546, 0.4097,  
0.2998

 6.9376, 0.5275,  
0.2581


 104.3668, 0.4015,  
0.3025

 3.4231, 0.5789,  
0.2379

 133.3019, 0.3945,  
0.3047

 1.3564, 0.6578,  
0.2047

167.1444, 0.3886,  
0.3066

 0.1843, 0.9119,  
0.0881

206.2786, 0.3834,

 0.0000, 1.0000,

0.3082

0.0000

251.0890, 0.3789,  
0.3096

0.0000, 0.0000,  
0.0000

30.0119, 0.4469,  
0.2873

30.0119, 0.4469,  
0.2873

25.6333, 0.4836,  
0.2847

35.8797, 0.4138,  
0.2926

22.6024, 0.5217,  
0.2860

43.3514, 0.3852,  
0.2995

20.7585, 0.5575,  
0.2917


52.5362, 0.3613,  
0.3070


19.8337, 0.5878,  
0.3012

63.5321, 0.3417,  
0.3147

19.8333, 0.5878,  
0.3012

76.4297, 0.3257,  
0.3221

 91.3135, 0.3127,  
0.3290

 98.1516, 0.3066,  
0.3290

# Harmonies

## Analogous

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



30.0119, 0.3512, 0.2336



30.0119, 0.4469, 0.2873



30.0119, 0.4995, 0.3511

# Triad

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



30.0119, 0.4469, 0.2873



30.0119, 0.3445, 0.5099



30.0119, 0.1577, 0.2069

# Complementary

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



30.0119, 0.4469, 0.2873



72.2580, 0.2566, 0.3816

# 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.



30.0119, 0.1561, 0.2618



30.0119, 0.4469, 0.2873



30.0119, 0.2561, 0.4631

# Square

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



30.0119, 0.4469, 0.2873



30.0119, 0.4293, 0.4816



30.0119, 0.1884, 0.3574



30.0119, 0.1908, 0.1885



# Rectangle

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



30.0119, 0.4469, 0.2873



30.0119, 0.4990, 0.3961



30.0119, 0.1884, 0.3574



30.0119, 0.1537, 0.2207

# Sweetspot

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



30.0135, 0.4469, 0.2873



72.1789, 0.3383, 0.3161



28.0751, 0.2795, 0.1722



14.6271, 0.3434, 0.3139



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.



30.0135, 0.4469, 0.2873



27.2382, 0.4918, 0.2846



36.2208, 0.4779, 0.3619



16.5585, 0.3250, 0.3224



10.7053, 0.5837, 0.2989



0.9577, 0.5483, 0.2794



# Inverse Universe

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



30.0135, 0.4469, 0.2873



27.2382, 0.4918, 0.2846



56.8527, 0.2300, 0.2883



16.5585, 0.3250, 0.3224



10.7053, 0.5837, 0.2989



0.9577, 0.5483, 0.2794



# Previews

## White Background



This preview shows how the Yxy color 30.0119, 0.4469, 0.2873 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

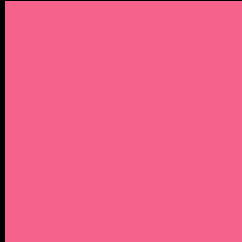
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 30.0119, 0.4469, 0.2873 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

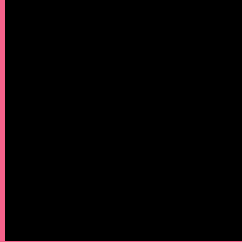
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 30.0119, 0.4469, 0.2873**

## Background



This preview shows how black text looks on a background with the Yxy color 30.0119, 0.4469, 0.2873.



This preview shows how white text looks on a background with the Yxy color 30.0119, 0.4469, 0.2873.

# 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

30.0119, 0.4469, 0.2873

### Protanopia

30.2100, 0.2933, 0.2985

### Deuteranopia

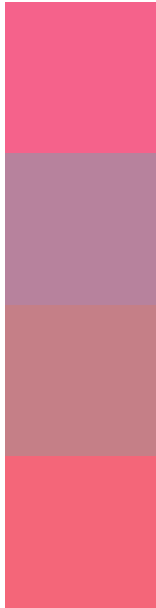
30.1585, 0.3534, 0.3470



## Tritanopia

30.0811, 0.4809, 0.3234

# Trichromacy



## Original Color

30.0119, 0.4469, 0.2873

## Protanomaly

28.4669, 0.3439, 0.2914

## Deuteranomaly

28.7983, 0.3869, 0.3185

## Tritanomaly

30.1163, 0.4686, 0.3101

# Monochromacy



## Original Color

30.0119, 0.4469, 0.2873

## Achromatopsia

29.1771, 0.3127, 0.3290

## Achromatomaly

27.7814, 0.3592, 0.3079

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.0119, 0.4469, 0.2873 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(245, 98, 139)` looks like.

```
.text, #text, p{  
  color:rgb(245, 98, 139)  
}
```

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(245, 98, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 98, 139) }
```

## Border

The CSS property to change the border of an element to Yxy 30.0119, 0.4469, 0.2873 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(245, 98, 139) }
```

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

```
.border{ border-color:rgb(245, 98, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 98, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 98, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 98, 139);  
box-shadow:4px 4px 4px 4px rgb(245, 98,  
139) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.0119, 0.4469, 0.2873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 98, 139) }
```

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

```
.background{ background-color: rgb(245, 98,  
139) }
```

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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