

# Converting Colors

$Y_{xy}(33.6419, 0.4106, 0.2819)$

Have a look what the booklet for  
Yxy(33.6419, 0.4106, 0.2819)  
contains.

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# Color

**Yxy(33.6419, 0.4106, 0.2819)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F2739F
RGB	242, 115, 159
RGB Percent	95%, 45%, 62%
CMY	0.0510, 0.5489, 0.3766
CMYK	0.00, 0.52, 0.34, 0.05
HSL	339°, 83%, 70%
HSV	339°, 52%, 95%
XYZ	49.0009, 33.6419, 36.6970
YIQ	157.9890, 61.5680, 40.6080

# Conversions

## Conversions Part 2

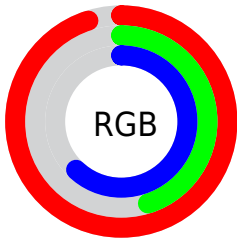
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 115, 159
Decimal	15889311
CIE <sub>Lab</sub>	64.68, 53.17, -0.08
CIE <sub>LCh</sub>	65, 53.174, 359.909
Yxy	33.6419, 0.4106, 0.2819
Android (android.graphics.Color)	4294079391 (0xFFFF2739F)
YUV	157.9890, 0.4984, 73.6776
Hunter-Lab	58.0016, 49.2975, 3.0890

# Details

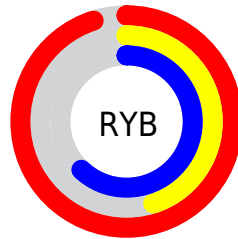
The Yxy color **33.6419, 0.4106, 0.2819** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **71.2217, 0.2652, 0.3853**, and the grayscale version is **34.1656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.8645, 0.3506, 0.2839**, and **14.2595, 0.4408, 0.2662** is the 20% darker color. If you saturate the color by 10%, you get **28.3146, 0.4410, 0.2756**, and if you desaturate by 10%, it is **40.4912, 0.3841, 0.2902**.

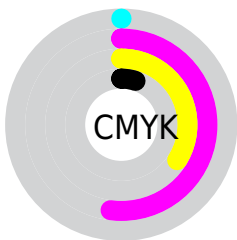
# Distribution



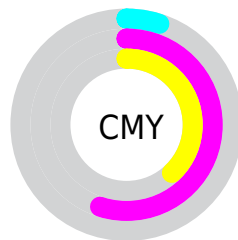
- Red (95%)
- Green (45%)
- Blue (62%)



- Red (95%)
- Yellow (45%)
- Blue (62%)



- Cyan (0%)
- Magenta (52%)
- Yellow (34%)
- Black (5%)




- Cyan (5%)
- Magenta (55%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 33.6419, 0.4106, 0.2819 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 33.6419, 0.4106, 0.2819 by changing the saturation by 10% instead.





 33.6419, 0.4106,  
0.2819


 33.6419, 0.4106,  
0.2819


318.5323, 0.3593,  
0.3066


 22.6186, 0.4241,  
0.2754


 65.3764, 0.3914,  
0.2911

 14.3122, 0.4419,  
0.2668


 86.8564, 0.3844,  
0.2945

 8.3381, 0.4662,  
0.2552


 112.5908, 0.3785,  
0.2974

 4.3120, 0.5013,  
0.2383

142.9640, 0.3735,  
0.2998

 1.8496, 0.5558,  
0.2121

178.3604, 0.3692,  
0.3018

 0.5178, 0.6683,  
0.1579

219.1643, 0.3654,

 0.0000, 1.0000,

0.3036


0.0000

265.7601, 0.3622,  
0.3052


 0.0000, 0.0000,  
0.0000


 33.6419, 0.4106,  
0.2819


 33.6419, 0.4106,  
0.2819


 28.3146, 0.4410,  
0.2756


 40.4912, 0.3841,  
0.2902


 24.3855, 0.4743,  
0.2725


 48.9633, 0.3617,  
0.2994


 21.7199, 0.5087,  
0.2738

 59.1561, 0.3431,  
0.3089


 20.1535, 0.5414,  
0.2803

 71.1584, 0.3279,  
0.3182

 19.5111, 0.5634,  
0.2878

 85.0529, 0.3154,  
0.3269

 97.5445, 0.3054,  
0.3300

 97.6148, 0.3047,  
0.3290

# Harmonies

## Analogous

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



33.6419, 0.3268, 0.2368



33.6419, 0.4106, 0.2819



33.6419, 0.4668, 0.3381

# Triad

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



33.6419, 0.4106, 0.2819



33.6419, 0.3611, 0.4820



33.6419, 0.1734, 0.2318

# Complementary

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



33.6419, 0.4106, 0.2819



71.2217, 0.2652, 0.3853

# 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.



33.6419, 0.1794, 0.2892



33.6419, 0.4106, 0.2819



33.6419, 0.2828, 0.4554

# Square

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



33.6419, 0.4106, 0.2819



33.6419, 0.4308, 0.4529



33.6419, 0.2168, 0.3753



33.6419, 0.1968, 0.2072



# Rectangle

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



33.6419, 0.4106, 0.2819



33.6419, 0.4762, 0.3780



33.6419, 0.2168, 0.3753



33.6419, 0.1721, 0.2471

# Sweetspot

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



33.6436, 0.4106, 0.2819



75.0738, 0.3330, 0.3149



30.6213, 0.2773, 0.1873



15.4681, 0.3361, 0.3130



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.



33.6436, 0.4106, 0.2819



31.5284, 0.4433, 0.2752



37.1820, 0.4539, 0.3498



15.8492, 0.3239, 0.3209



10.5061, 0.5591, 0.2854



0.8921, 0.5224, 0.2652



# Inverse Universe

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



33.6436, 0.4106, 0.2819



31.5284, 0.4433, 0.2752



62.8007, 0.2404, 0.3052



15.8492, 0.3239, 0.3209



10.5061, 0.5591, 0.2854



0.8921, 0.5224, 0.2652



# Previews

## White Background



This preview shows how the Yxy color 33.6419, 0.4106, 0.2819 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 33.6419, 0.4106, 0.2819 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

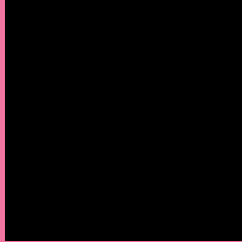
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 33.6419, 0.4106, 0.2819**

## Background



This preview shows how black text looks on a background with the Yxy color 33.6419, 0.4106, 0.2819.



This preview shows how white text looks on a background with the Yxy color 33.6419, 0.4106, 0.2819.

# 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

33.6419, 0.4106, 0.2819

### Protanopia

33.9130, 0.2849, 0.2885

### Deuteranopia

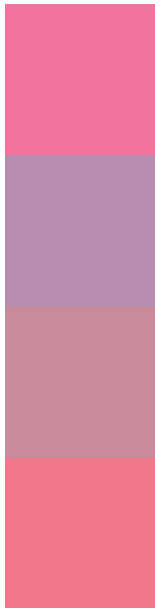
33.7551, 0.3342, 0.3276



## Tritanopia

33.7850, 0.4436, 0.3207

# Trichromacy



## Original Color

33.6419, 0.4106, 0.2819

## Protanomaly

32.4592, 0.3253, 0.2833

## Deuteranomaly

32.9739, 0.3617, 0.3081

## Tritanomaly

33.7879, 0.4319, 0.3066

# Monochromacy



## Original Color

33.6419, 0.4106, 0.2819

## Achromatopsia

34.1914, 0.3127, 0.3290

## Achromatomaly

32.6334, 0.3469, 0.3074

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 33.6419, 0.4106, 0.2819 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(242, 115, 159)` looks like.

```
.text, #text, p{  
    color:rgb(242, 115, 159)  
}
```

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(242, 115, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 115, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 33.6419, 0.4106, 0.2819 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(242, 115, 159) }
```

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

```
.border{ border-color:rgb(242, 115, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 115, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 115, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 115, 159);  
box-shadow:4px 4px 4px 4px rgb(242, 115,  
159) }
```



# Background

The CSS property to change the background color of an element to Yxy 33.6419, 0.4106, 0.2819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 115, 159) }
```

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

```
.background{ background-color: rgb(242,  
115, 159) }
```

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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