

Converting Colors

$Y_{xy}(33.9111, 0.4252, 0.2779)$

Have a look what the booklet for
Yxy(33.9111, 0.4252, 0.2779)
contains.

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Color

Yxy(33.8667, 0.4259, 0.2777)

Conversions

Conversions Part 1

Format	Color
Hex	FD6B9E
RGB	253, 107, 158
RGB Percent	99%, 42%, 62%
CMY	0.0078, 0.5804, 0.3804
CMYK	0.00, 0.58, 0.38, 0.01
HSL	339°, 97%, 71%
HSV	339°, 58%, 99%
XYZ	51.9403, 33.8667, 36.1472
YIQ	156.4680, 70.6450, 46.8130

Conversions

Conversions Part 2

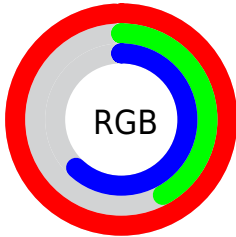
Format	Color
R _Y B	253, 107, 158
Decimal	16608158
CIE Lab	64.86, 60.26, 0.92
CIE LCh	65, 60.269, 0.878
Yxy	33.8667, 0.4259, 0.2777
Android (android.graphics.Color)	4294798238 (0xFFFD6B9E)
YUV	156.4680, 0.7553, 84.6586
Hunter-Lab	58.1951, 57.4735, 3.9092

Details

The Yxy color **33.8667, 0.4259, 0.2777** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **77.6480, 0.2624, 0.3929**, and the grayscale version is **33.4391, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.2079, 0.3535, 0.2787**, and **14.3819, 0.4612, 0.2607** is the 20% darker color. If you saturate the color by 10%, you get **28.8129, 0.4579, 0.2729**, and if you desaturate by 10%, it is **40.5428, 0.3974, 0.2852**.

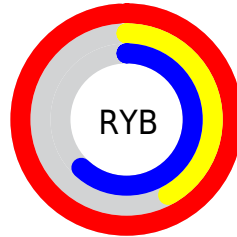
Distribution



Red (99%)

Green (42%)

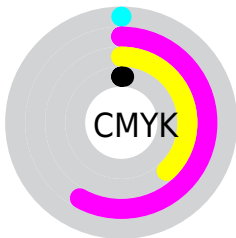
Blue (62%)



Red (99%)

Yellow (42%)

Blue (62%)

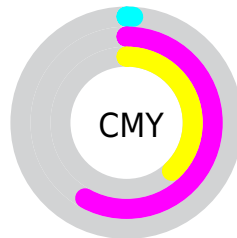


Cyan (0%)

Magenta (58%)

Yellow (38%)

Black (1%)



Cyan (1%)


Magenta (58%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8667, 0.4259, 0.2777 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 33.8667, 0.4259, 0.2777 by changing the saturation by 10% instead.


 33.8667, 0.4259,
0.2777


 33.8667, 0.4259,
0.2777


319.5373, 0.3667,
0.3047


 22.7912, 0.4414,
0.2706


 65.7263, 0.4038,
0.2878


 14.4394, 0.4618,
0.2612


 87.2792, 0.3957,
0.2915

 8.4269, 0.4894,
0.2485

 113.0934, 0.3889,
0.2946

 4.3693, 0.5290,
0.2302

 143.5533, 0.3831,
0.2972

 1.8822, 0.5892,
0.2020

179.0432, 0.3781,
0.2995

 0.5377, 0.7086,
0.1480

219.9476, 0.3738,

 0.0000, 1.0000,

0.3015


0.0000


266.6508, 0.3700,
0.3032


 0.0000, 0.0000,
0.0000


 33.8667, 0.4259,
0.2777


 33.8667, 0.4259,
0.2777


 28.8129, 0.4579,
0.2729


 40.5428, 0.3974,
0.2852


 25.2342, 0.4921,
0.2720


 48.9609, 0.3729,
0.2941


 22.9655, 0.5258,
0.2760

 59.2354, 0.3524,
0.3037

 21.7858, 0.5563,
0.2851

 71.4695, 0.3355,
0.3132

 21.5956, 0.5628,
0.2874

 85.7586, 0.3216,
0.3223

99.6247, 0.3115,
0.3290

Harmonies

Analogous

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



33.8667, 0.3309, 0.2283



33.8667, 0.4259, 0.2777



33.8667, 0.4876, 0.3387

Triad

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



33.8667, 0.4259, 0.2777



33.8667, 0.3614, 0.5025



33.8667, 0.1595, 0.2185

Complementary

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



33.8667, 0.4259, 0.2777



77.6480, 0.2624, 0.3929

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.



33.8667, 0.1643, 0.2799



33.8667, 0.4259, 0.2777



33.8667, 0.2746, 0.4722

Square

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



33.8667, 0.4259, 0.2777



33.8667, 0.4402, 0.4668



33.8667, 0.2031, 0.3776



33.8667, 0.1858, 0.1939

Rectangle

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



33.8667, 0.4259, 0.2777



33.8667, 0.4956, 0.3822



33.8667, 0.2031, 0.3776



33.8667, 0.1576, 0.2345

Sweetspot

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



33.8685, 0.4259, 0.2777



73.7067, 0.3344, 0.3138



30.1512, 0.2724, 0.1735



15.1989, 0.3375, 0.3120



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.



33.8685, 0.4259, 0.2777



28.7677, 0.4624, 0.2725



37.6205, 0.4762, 0.3512



18.0918, 0.3239, 0.3207



11.5117, 0.5586, 0.2851



1.1406, 0.5270, 0.2677

Inverse Universe

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



33.8685, 0.4259, 0.2777



28.7677, 0.4624, 0.2725



67.4313, 0.2350, 0.3023



18.0918, 0.3239, 0.3207



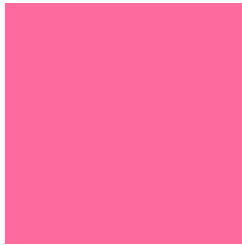
11.5117, 0.5586, 0.2851



1.1406, 0.5270, 0.2677

Previews

White Background



This preview shows how the Yxy color 33.8667, 0.4259, 0.2777 looks on a white background.

Color Contrast Check

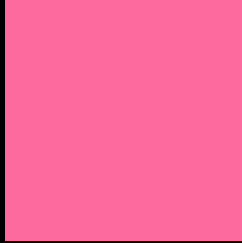
Large Text (above 18pt) WCAG AA × Fail

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 33.8667, 0.4259, 0.2777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

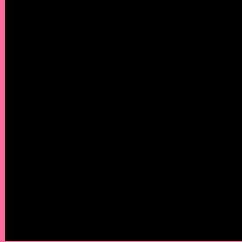
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.8667, 0.4259, 0.2777

Background



This preview shows how black text looks on a background with the Yxy color 33.8667, 0.4259, 0.2777.



This preview shows how white text looks on a background with the Yxy color 33.8667, 0.4259, 0.2777.

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

33.8667, 0.4259, 0.2777

Protanopia

33.9871, 0.2809, 0.2830

Deuteranopia

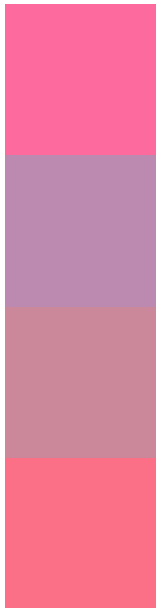
33.8048, 0.3372, 0.3305



Tritanopia

33.7638, 0.4659, 0.3214

Trichromacy



Original Color

33.8667, 0.4259, 0.2777

Protanomaly

32.0426, 0.3267, 0.2772

Deuteranomaly

32.6379, 0.3680, 0.3059

Tritanomaly

33.6274, 0.4521, 0.3050

Monochromacy



Original Color

33.8667, 0.4259, 0.2777

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

31.6876, 0.3510, 0.3034

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8667, 0.4259, 0.2777 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(253, 107, 158)` looks like.

```
.text, #text, p{  
    color:rgb(253, 107, 158)  
}
```

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(253, 107, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 107, 158) }
```

Border

The CSS property to change the border of an element to Yxy 33.8667, 0.4259, 0.2777 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(253, 107, 158) }
```

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

```
.border{ border-color:rgb(253, 107, 158) }
```

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

Here you see how a box with a 4 pixel rgb(253, 107, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 107, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 107, 158);  
box-shadow:4px 4px 4px 4px rgb(253, 107,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8667, 0.4259, 0.2777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 107, 158) }
```

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

```
.background{ background-color: rgb(253,  
107, 158) }
```

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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