

Converting Colors

$Y_{xy}(33.2607, 0.4271, 0.2742)$

Have a look what the booklet for
Yxy(33.2607, 0.4271, 0.2742)
contains.

Yxy(33.2399, 0.4283, 0.2743)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.2399, 0.4283, 0.2743)

Conversions

Conversions Part 1

Format	Color
Hex	FE679E
RGB	254, 103, 158
RGB Percent	100%, 40%, 62%
CMY	0.0038, 0.5961, 0.3803
CMYK	0.00, 0.59, 0.38, 0.00
HSL	338°, 99%, 70%
HSV	338°, 59%, 100%
XYZ	51.9017, 33.2399, 36.0392
YIQ	154.4190, 72.3410, 49.1170

Conversions

Conversions Part 2

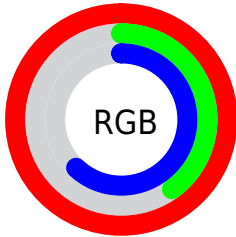
Format	Color
RYB	254, 103, 158
Decimal	16672670
CIELab	64.35, 62.32, 0.20
CIElCh	64, 62.325, 0.180
Yxy	33.2399, 0.4283, 0.2743
Android (android.graphics.Color)	4294862750 (0xFFFE679E)
YUV	154.4190, 1.7654, 87.3325
Hunter-Lab	57.6541, 59.7960, 3.2960

Details

The Yxy color **33.2399, 0.4283, 0.2743** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **77.9012, 0.2625, 0.3983**, and the grayscale version is **32.4762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.1551, 0.3541, 0.2757**, and **14.0549, 0.4648, 0.2564** is the 20% darker color. If you saturate the color by 10%, you get **28.4137, 0.4599, 0.2697**, and if you desaturate by 10%, it is **39.6768, 0.3999, 0.2818**.

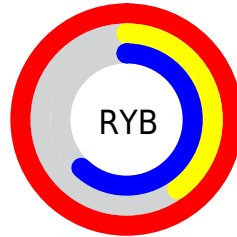
Distribution



Red (100%)

Green (40%)

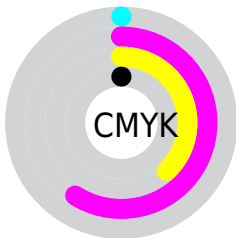
Blue (62%)



Red (100%)

Yellow (40%)

Blue (62%)

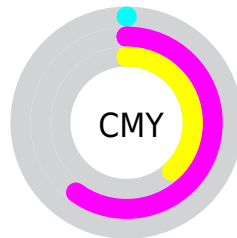


Cyan (0%)

Magenta (59%)

Yellow (38%)

Black (0%)



Cyan (0%)


Magenta (60%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2399, 0.4283, 0.2743 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 33.2399, 0.4283, 0.2743 by changing the saturation by 10% instead.


 33.2399, 0.4283,
0.2743


 33.2399, 0.4283,
0.2743


316.7293, 0.3677,
0.3030


 22.3103, 0.4442,
0.2668


 64.7499, 0.4057,
0.2850

 14.0851, 0.4650,
0.2569


 86.0991, 0.3974,
0.2890

 8.1799, 0.4934,
0.2434

 111.6902, 0.3904,
0.2923

 4.2103, 0.5339,
0.2241

 141.9077, 0.3845,
0.2951

 1.7919, 0.5956,
0.1947

177.1360, 0.3794,
0.2975

 0.4821, 0.7212,
0.1353

217.7594, 0.3750,

 0.0000, 1.0000,

0.2996

0.0000

264.1624, 0.3711,
0.3014

■ 0.0000, 0.0000,
0.0000

■ 33.2399, 0.4283,
0.2743

■ 33.2399, 0.4283,
0.2743

■ 28.4137, 0.4599,
0.2697

■ 39.6768, 0.3999,
0.2818

■ 25.0463, 0.4933,
0.2694

■ 47.8478, 0.3754,
0.2909

■ 22.9652, 0.5260,
0.2741

■ 57.8702, 0.3547,
0.3008

■ 21.9026, 0.5554,
0.2836

■ 69.8494, 0.3376,
0.3108

■ 21.8572, 0.5570,
0.2842

■ 83.8829, 0.3236,
0.3204

99.8077, 0.3122,
0.3291

99.8145, 0.3121,
0.3290

Harmonies

Analogous

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



33.2399, 0.3290, 0.2240



33.2399, 0.4283, 0.2743



33.2399, 0.4936, 0.3366

Triad

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



33.2399, 0.4283, 0.2743



33.2399, 0.3642, 0.5093



33.2399, 0.1545, 0.2154

Complementary

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



33.2399, 0.4283, 0.2743



77.9012, 0.2625, 0.3983

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.



33.2399, 0.1599, 0.2794



33.2399, 0.4283, 0.2743



33.2399, 0.2745, 0.4806

Square

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



33.2399, 0.4283, 0.2743



33.2399, 0.4454, 0.4695



33.2399, 0.2002, 0.3820



33.2399, 0.1806, 0.1897

Rectangle

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



33.2399, 0.4283, 0.2743



33.2399, 0.5025, 0.3812



33.2399, 0.2002, 0.3820



33.2399, 0.1527, 0.2320

Sweetspot

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



33.2417, 0.4283, 0.2743



72.3915, 0.3354, 0.3122



28.9477, 0.2685, 0.1682



14.6784, 0.3399, 0.3094



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.



33.2417, 0.4283, 0.2743



28.0422, 0.4651, 0.2694



36.2501, 0.4856, 0.3491



18.0965, 0.3237, 0.3204



11.5472, 0.5527, 0.2818



1.1444, 0.5215, 0.2646

Inverse Universe

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



33.2417, 0.4283, 0.2743



28.0422, 0.4651, 0.2694



68.8179, 0.2340, 0.3045



18.0965, 0.3237, 0.3204



11.5472, 0.5527, 0.2818



1.1444, 0.5215, 0.2646

Previews

White Background



This preview shows how the Yxy color 33.2399, 0.4283, 0.2743 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 33.2399, 0.4283, 0.2743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

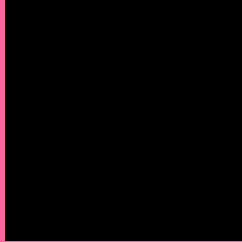
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.2399, 0.4283, 0.2743

Background



This preview shows how black text looks on a background with the Yxy color 33.2399, 0.4283, 0.2743.



This preview shows how white text looks on a background with the Yxy color 33.2399, 0.4283, 0.2743.

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

33.2399, 0.4283, 0.2743

Protanopia

33.5500, 0.2775, 0.2787

Deuteranopia

33.3663, 0.3364, 0.3291



Tritanopia

33.2100, 0.4724, 0.3215

Trichromacy



Original Color

33.2399, 0.4283, 0.2743

Protanomaly

31.3875, 0.3248, 0.2731

Deuteranomaly

32.0798, 0.3686, 0.3033

Tritanomaly

33.1140, 0.4571, 0.3043

Monochromacy



Original Color

33.2399, 0.4283, 0.2743

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

30.6417, 0.3529, 0.3019

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2399, 0.4283, 0.2743 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, 103, 158)` looks like.

```
.text, #text, p{  
    color:rgb(254, 103, 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(254, 103, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 103, 158) }
```

Border

The CSS property to change the border of an element to Yxy 33.2399, 0.4283, 0.2743 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, 103, 158) }
```

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

```
.border{ border-color:rgb(254, 103, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 103, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 103, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 103, 158);  
box-shadow:4px 4px 4px 4px rgb(254, 103,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2399, 0.4283, 0.2743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 103, 158) }
```

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

```
.background{ background-color: rgb(254,  
103, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor