

Converting Colors

$Y_{xy}(33.1557, 0.4384, 0.2851)$

Have a look what the booklet for
Yxy(33.1557, 0.4384, 0.2851)
contains.

Yxy(33.1557, 0.4384, 0.2851)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.1557, 0.4384, 0.2851)

Conversions

Conversions Part 1

Format	Color
Hex	FD6995
RGB	253, 105, 149
RGB Percent	99%, 41%, 58%
CMY	0.0079, 0.5882, 0.4156
CMYK	0.00, 0.58, 0.41, 0.01
HSL	342°, 97%, 70%
HSV	342°, 58%, 99%
XYZ	50.9837, 33.1557, 32.1556
YIQ	154.2680, 74.0840, 45.0600

Conversions

Conversions Part 2

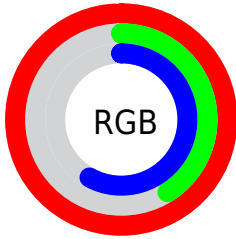
Format	Color
R _Y B	253, 105, 149
Decimal	16607637
CIE Lab	64.29, 60.19, 5.24
CIE LCh	64, 60.421, 4.974
Yxy	33.1557, 0.4384, 0.2851
Android (android.graphics.Color)	4294797717 (0xFFFD6995)
YUV	154.2680, -2.5971, 86.5880
Hunter-Lab	57.5810, 57.2819, 7.1967

Details

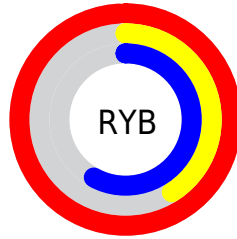
The Yxy color **33.1557, 0.4384, 0.2851** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **77.8521, 0.2586, 0.3837**, and the grayscale version is **32.4286, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.0615, 0.3623, 0.2856**, and **14.0613, 0.4780, 0.2692** is the 20% darker color. If you saturate the color by 10%, you get **28.2220, 0.4737, 0.2817**, and if you desaturate by 10%, it is **39.7119, 0.4068, 0.2911**.

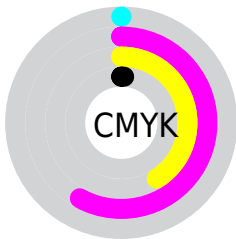
Distribution



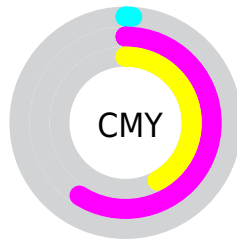
- Red (99%)
- Green (41%)
- Blue (58%)



- Red (99%)
- Yellow (41%)
- Blue (58%)



- Cyan (0%)
- Magenta (58%)
- Yellow (41%)
- Black (1%)





- Cyan (1%)
- Magenta (59%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.1557, 0.4384, 0.2851 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 33.1557, 0.4384, 0.2851 by changing the saturation by 10% instead.

 33.1557, 0.4384,
0.2851


 33.1557, 0.4384,
0.2851


316.3507, 0.3721,
0.3091


 22.2457, 0.4559,
0.2785


 64.6185, 0.4136,
0.2943


 14.0376, 0.4789,
0.2697


 85.9402, 0.4045,
0.2976

 8.1468, 0.5102,
0.2574


 111.5013, 0.3968,
0.3003

 4.1890, 0.5551,
0.2391

 141.6861, 0.3904,
0.3026

 1.7799, 0.6231,
0.2102

176.8790, 0.3849,
0.3046

 0.4746, 0.7965,
0.1545

217.4645, 0.3800,


 0.0000, 1.0000,


0.3063


0.0000


263.8270, 0.3758,
0.3078


 0.0000, 0.0000,
0.0000


 33.1557, 0.4384,
0.2851


 33.1557, 0.4384,
0.2851


 28.2220, 0.4737,
0.2817


 39.7119, 0.4068,
0.2911


 24.7611, 0.5109,
0.2820

 48.0124, 0.3797,
0.2986

 22.6045, 0.5467,
0.2871

 58.1730, 0.3571,
0.3068

 21.5130, 0.5776,
0.2965

 70.2983, 0.3385,
0.3149

 21.3925, 0.5819,
0.2979

 84.4850, 0.3233,
0.3227

99.6212, 0.3115,
0.3290

Harmonies

Analogous

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



33.1557, 0.3445, 0.2333



33.1557, 0.4384, 0.2851



33.1557, 0.4931, 0.3474

Triad

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



33.1557, 0.4384, 0.2851



33.1557, 0.3496, 0.5047



33.1557, 0.1602, 0.2121

Complementary

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



33.1557, 0.4384, 0.2851



77.8521, 0.2586, 0.3837

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.



33.1557, 0.1605, 0.2684



33.1557, 0.4384, 0.2851



33.1557, 0.2628, 0.4636

Square

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



33.1557, 0.4384, 0.2851



33.1557, 0.4314, 0.4752



33.1557, 0.1946, 0.3632



33.1557, 0.1908, 0.1919

Rectangle

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



33.1557, 0.4384, 0.2851



33.1557, 0.4955, 0.3914



33.1557, 0.1946, 0.3632



33.1557, 0.1568, 0.2265

Sweetspot

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



33.1575, 0.4384, 0.2851



72.2243, 0.3377, 0.3153



30.6937, 0.2783, 0.1745



14.6380, 0.3426, 0.3129



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.



33.1575, 0.4384, 0.2851



28.0987, 0.4794, 0.2815



39.1201, 0.4741, 0.3590



18.0760, 0.3247, 0.3220



11.4030, 0.5778, 0.2957



1.1285, 0.5458, 0.2780

Inverse Universe

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



33.1575, 0.4384, 0.2851



28.0987, 0.4794, 0.2815



63.0826, 0.2321, 0.2926



18.0760, 0.3247, 0.3220



11.4030, 0.5778, 0.2957



1.1285, 0.5458, 0.2780

Previews

White Background



This preview shows how the Yxy color 33.1557, 0.4384, 0.2851 looks on a white background.

Color Contrast Check

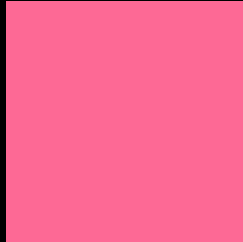
Large Text (above 18pt) WCAG AA × Fail

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 33.1557, 0.4384, 0.2851 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 33.1557, 0.4384, 0.2851

Background



This preview shows how black text looks on a background with the Yxy color 33.1557, 0.4384, 0.2851.

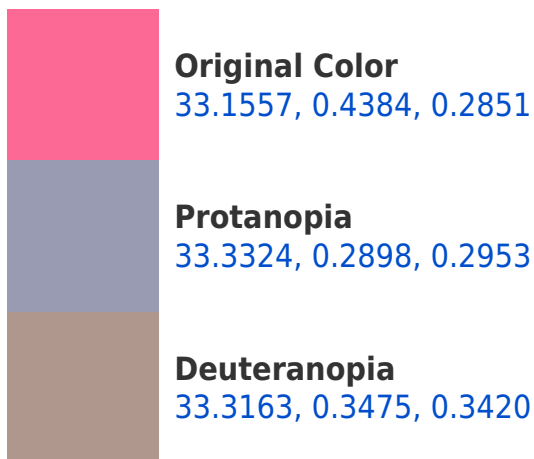


This preview shows how white text looks on a background with the Yxy color 33.1557, 0.4384, 0.2851.

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

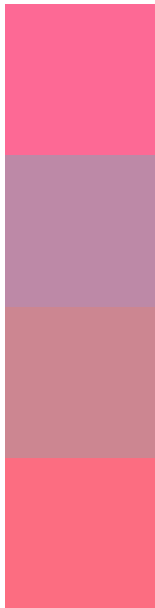




Tritanopia

33.1861, 0.4736, 0.3225

Trichromacy



Original Color

33.1557, 0.4384, 0.2851

Protanomaly

31.5002, 0.3383, 0.2887

Deuteranomaly

31.9319, 0.3801, 0.3149

Tritanomaly

33.2177, 0.4618, 0.3094

Monochromacy



Original Color

33.1557, 0.4384, 0.2851

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

30.8225, 0.3560, 0.3073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1557, 0.4384, 0.2851 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, 105, 149)` looks like.

```
.text, #text, p{  
    color:rgb(253, 105, 149)  
}
```

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, 105, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 105, 149) }
```

Border

The CSS property to change the border of an element to Yxy 33.1557, 0.4384, 0.2851 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, 105, 149) }
```

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

```
.border{ border-color:rgb(253, 105, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 105, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 105, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 105, 149);  
box-shadow:4px 4px 4px 4px rgb(253, 105,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1557, 0.4384, 0.2851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 105, 149) }
```

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

```
.background{ background-color: rgb(253,  
105, 149) }
```

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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