

Converting Colors

$Y_{xy}(33.1265, 0.3996, 0.2454)$

Have a look what the booklet for
Yxy(33.1265, 0.3996, 0.2454)
contains.

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Color

Yxy(33.1868, 0.3998, 0.2459)

Conversions

Conversions Part 1

Format	Color
Hex	FF61B6
RGB	255, 97, 182
RGB Percent	100%, 38%, 71%
CMY	0.0000, 0.6196, 0.2863
CMYK	0.00, 0.62, 0.29, 0.00
HSL	328°, 100%, 69%
HSV	328°, 62%, 100%
XYZ	53.9572, 33.1868, 47.8165
YIQ	153.9320, 66.8830, 59.9310

Conversions

Conversions Part 2

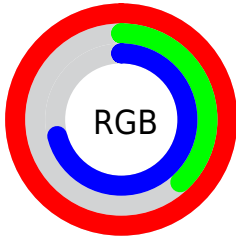
Format	Color
R _Y B	255, 97, 182
Decimal	16736694
CIE Lab	64.31, 67.83, -13.55
CIE LCh	64, 69.175, 348.702
Yxy	33.1868, 0.3998, 0.2459
Android (android.graphics.Color)	4294926774 (0xFFFF61B6)
YUV	153.9320, 13.8375, 88.6366
Hunter-Lab	57.6080, 66.3741, -8.8871

Details

The Yxy color **33.1868, 0.3998, 0.2459** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **76.9632, 0.2736, 0.4391**, and the grayscale version is **32.2020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8757, 0.3314, 0.2465**, and **13.9829, 0.4253, 0.2229** is the 20% darker color. If you saturate the color by 10%, you get **28.7419, 0.4214, 0.2384**, and if you desaturate by 10%, it is **39.1899, 0.3800, 0.2568**.

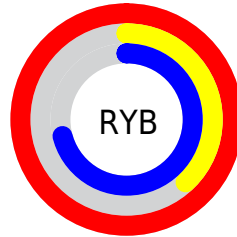
Distribution



Red (100%)

Green (38%)

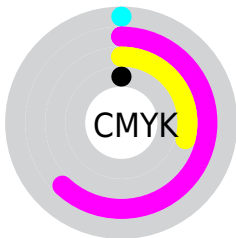
Blue (71%)



Red (100%)

Yellow (38%)

Blue (71%)

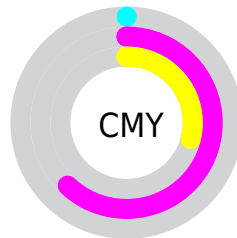


Cyan (0%)

Magenta (62%)

Yellow (29%)

Black (0%)



Cyan (0%)


Magenta (62%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1868, 0.3998, 0.2459 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 33.1868, 0.3998, 0.2459 by changing the saturation by 10% instead.


 33.1868, 0.3998,
0.2459


 33.1868, 0.3998,
0.2459


316.4906, 0.3555,
0.2869


 22.2696, 0.4110,
0.2359


 64.6671, 0.3835,
0.2606


 14.0551, 0.4255,
0.2233


 85.9989, 0.3775,
0.2662

 8.1590, 0.4449,
0.2069

 111.5711, 0.3724,
0.2709

 4.1969, 0.4720,
0.1847

 141.7679, 0.3680,
0.2750

 1.7843, 0.5121,
0.1537

176.9740, 0.3642,
0.2786

 0.4774, 0.5834,
0.0976

217.5735, 0.3609,

 0.0000, 0.8044,

0.2817

0.0000

263.9509, 0.3580,
0.2844

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

33.1868, 0.3998,
0.2459

33.1868, 0.3998,
0.2459

28.7419, 0.4214,
0.2384

39.1899, 0.3800,
0.2568

25.6981, 0.4440,
0.2356


46.8781, 0.3623,
0.2700

23.8738, 0.4664,
0.2382

56.3710, 0.3471,
0.2842

23.0706, 0.4837,
0.2438

67.7759, 0.3342,
0.2987

 81.1915, 0.3233,
0.3129

 96.7098, 0.3143,
0.3264

99.9995, 0.3127,
0.3290

Harmonies

Analogous

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



33.1868, 0.2889, 0.1998



33.1868, 0.3998, 0.2459



33.1868, 0.4929, 0.3083

Triad

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



33.1868, 0.3998, 0.2459



33.1868, 0.4020, 0.5159



33.1868, 0.1396, 0.2245

Complementary

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



33.1868, 0.3998, 0.2459



76.9632, 0.2736, 0.4391

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.



33.1868, 0.1579, 0.3118



33.1868, 0.3998, 0.2459



33.1868, 0.3052, 0.5232

Square

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



33.1868, 0.3998, 0.2459



33.1868, 0.4824, 0.4523



33.1868, 0.2154, 0.4360



33.1868, 0.1549, 0.1837

Rectangle

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



33.1868, 0.3998, 0.2459



33.1868, 0.5202, 0.3543



33.1868, 0.2154, 0.4360



33.1868, 0.1417, 0.2480

Sweetspot

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



33.1885, 0.3998, 0.2459



71.5290, 0.3308, 0.3029



24.1079, 0.2409, 0.1508



14.5324, 0.3341, 0.2988



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.



33.1885, 0.3998, 0.2459



28.0116, 0.4260, 0.2374



30.8293, 0.5025, 0.3223



18.1505, 0.3209, 0.3163



12.0857, 0.4803, 0.2420



1.1988, 0.4571, 0.2292

Inverse Universe

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



33.1885, 0.3998, 0.2459



28.0116, 0.4260, 0.2374



80.7819, 0.2406, 0.3381



18.1505, 0.3209, 0.3163



12.0857, 0.4803, 0.2420



1.1988, 0.4571, 0.2292

Previews

White Background



This preview shows how the Yxy color 33.1868, 0.3998, 0.2459 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 33.1868, 0.3998, 0.2459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

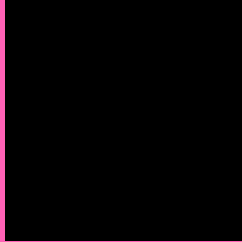
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.1868, 0.3998, 0.2459

Background



This preview shows how black text looks on a background with the Yxy color 33.1868, 0.3998, 0.2459.



This preview shows how white text looks on a background with the Yxy color 33.1868, 0.3998, 0.2459.

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

33.1868, 0.3998, 0.2459

Protanopia

33.5360, 0.2446, 0.2361

Deuteranopia

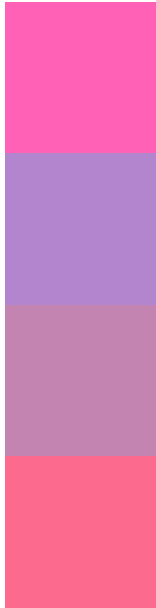
33.2990, 0.3035, 0.2974



Tritanopia

33.2442, 0.4709, 0.3224

Trichromacy



Original Color

33.1868, 0.3998, 0.2459

Protanomaly

30.8638, 0.2895, 0.2337

Deuteranomaly

31.4126, 0.3359, 0.2709

Tritanomaly

33.1638, 0.4458, 0.2940

Monochromacy



Original Color

33.1868, 0.3998, 0.2459

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

30.5318, 0.3444, 0.2875

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1868, 0.3998, 0.2459 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(255, 97, 182)` looks like.

```
.text, #text, p{  
    color:rgb(255, 97, 182)  
}
```

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(255, 97, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 97, 182) }
```

Border

The CSS property to change the border of an element to Yxy 33.1868, 0.3998, 0.2459 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(255, 97, 182) }
```

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

```
.border{ border-color:rgb(255, 97, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 97, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 97, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 97, 182);  
box-shadow:4px 4px 4px 4px rgb(255, 97,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1868, 0.3998, 0.2459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 97, 182) }
```

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

```
.background{ background-color: rgb(255, 97,  
182) }
```

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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