

Converting Colors

$Yxy(33.5923, 0.4009, 0.2492)$

Have a look what the booklet for
Yxy(33.5923, 0.4009, 0.2492)
contains.

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Color

Yxy(33.5199, 0.4006, 0.2485)

Conversions

Conversions Part 1

Format	Color
Hex	FF63B5
RGB	255, 99, 181
RGB Percent	100%, 39%, 71%
CMY	0.0001, 0.6116, 0.2902
CMYK	0.00, 0.61, 0.29, 0.00
HSL	328°, 100%, 69%
HSV	328°, 61%, 100%
XYZ	54.0365, 33.5199, 47.3325
YIQ	154.9920, 66.6540, 58.5740

Conversions

Conversions Part 2

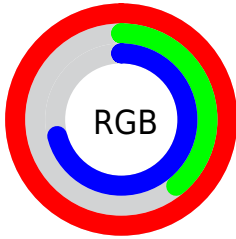
Format	Color
R _Y B	255, 99, 181
Decimal	16737205
CIE _{Lab}	64.58, 66.88, -12.58
CIE _{LCh}	65, 68.055, 349.351
Yxy	33.5199, 0.4006, 0.2485
Android (android.graphics.Color)	4294927285 (0xFFFF63B5)
YUV	154.9920, 12.8219, 87.7070
Hunter-Lab	57.8964, 65.2810, -7.9444

Details

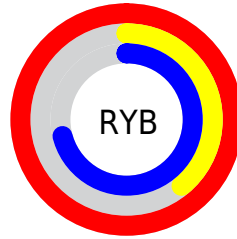
The Yxy color **33.5199, 0.4006, 0.2485** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.1807, 0.2729, 0.4348**, and the grayscale version is **32.6991, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.4884, 0.3321, 0.2493**, and **14.1719, 0.4265, 0.2263** is the 20% darker color. If you saturate the color by 10%, you get **28.9523, 0.4228, 0.2410**, and if you desaturate by 10%, it is **39.6587, 0.3803, 0.2594**.

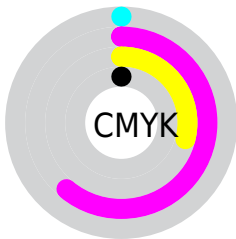
Distribution



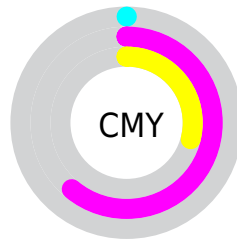
- Red (100%)
- Green (39%)
- Blue (71%)



- Red (100%)
- Yellow (39%)
- Blue (71%)



- Cyan (0%)
- Magenta (61%)
- Yellow (29%)
- Black (0%)





- Cyan (0%)
- Magenta (61%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.5199, 0.4006, 0.2485 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 33.5199, 0.4006, 0.2485 by changing the saturation by 10% instead.

 33.5199, 0.4006,
0.2485


 33.5199, 0.4006,
0.2485


317.9860, 0.3558,
0.2883

 22.5250, 0.4120,
0.2388


 65.1864, 0.3842,
0.2628

 14.2432, 0.4267,
0.2265


 86.6268, 0.3780,
0.2682

 8.2900, 0.4463,
0.2104


 112.3178, 0.3729,
0.2728

 4.2811, 0.4739,
0.1887

 142.6438, 0.3685,
0.2768

 1.8320, 0.5148,
0.1581

177.9892, 0.3646,
0.2802

 0.5070, 0.5867,
0.1039

218.7385, 0.3613,

 0.0000, 0.8274,

0.2832

0.0000

265.2759, 0.3584,
0.2859

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

33.5199, 0.4006,
0.2485

33.5199, 0.4006,
0.2485

28.9523, 0.4228,
0.2410

39.6587, 0.3803,
0.2594

25.8005, 0.4461,
0.2380


47.4942, 0.3623,
0.2723


23.8861, 0.4694,
0.2405

57.1454, 0.3468,
0.2863

22.9780, 0.4891,
0.2468

68.7186, 0.3337,
0.3005

 82.3122, 0.3228,
0.3143

 98.0176, 0.3137,
0.3275

99.9966, 0.3127,
0.3290

Harmonies

Analogous

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



33.5199, 0.2916, 0.2024



33.5199, 0.4006, 0.2485



33.5199, 0.4908, 0.3105

Triad

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



33.5199, 0.4006, 0.2485



33.5199, 0.3992, 0.5137



33.5199, 0.1421, 0.2252

Complementary

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



33.5199, 0.4006, 0.2485



77.1807, 0.2729, 0.4348

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.



33.5199, 0.1596, 0.3101



33.5199, 0.4006, 0.2485



33.5199, 0.3038, 0.5181

Square

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



33.5199, 0.4006, 0.2485



33.5199, 0.4786, 0.4526



33.5199, 0.2157, 0.4311



33.5199, 0.1578, 0.1855

Rectangle

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



33.5199, 0.4006, 0.2485



33.5199, 0.5168, 0.3561



33.5199, 0.2157, 0.4311



33.5199, 0.1440, 0.2480

Sweetspot

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



33.5216, 0.4006, 0.2485



72.8060, 0.3300, 0.3049



24.8969, 0.2442, 0.1540



14.7790, 0.3334, 0.3008



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.



33.5216, 0.4006, 0.2485



28.2761, 0.4271, 0.2401



31.1899, 0.5020, 0.3248



18.1466, 0.3211, 0.3166



12.0388, 0.4856, 0.2449



1.1943, 0.4616, 0.2317

Inverse Universe

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



33.5216, 0.4006, 0.2485



28.2761, 0.4271, 0.2401



81.0514, 0.2402, 0.3349



18.1466, 0.3211, 0.3166



12.0388, 0.4856, 0.2449



1.1943, 0.4616, 0.2317

Previews

White Background



This preview shows how the Yxy color 33.5199, 0.4006, 0.2485 looks on a white background.

Color Contrast Check

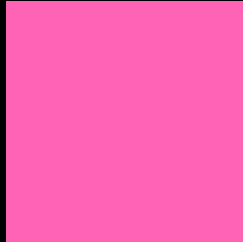
Large Text (above 18pt) WCAG AA × Fail

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 33.5199, 0.4006, 0.2485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

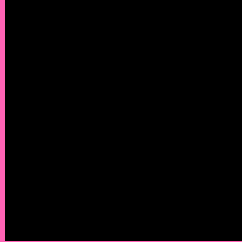
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.5199, 0.4006, 0.2485

Background



This preview shows how black text looks on a background with the Yxy color 33.5199, 0.4006, 0.2485.



This preview shows how white text looks on a background with the Yxy color 33.5199, 0.4006, 0.2485.

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

33.5199, 0.4006, 0.2485

Protanopia

33.9284, 0.2474, 0.2401

Deuteranopia

33.7989, 0.3063, 0.3005



Tritanopia

33.5147, 0.4678, 0.3214

Trichromacy



Original Color

33.5199, 0.4006, 0.2485



Protanomaly

31.4875, 0.2914, 0.2376



Deuteranomaly

31.9154, 0.3389, 0.2738



Tritanomaly

33.4037, 0.4441, 0.2939

Monochromacy



Original Color

33.5199, 0.4006, 0.2485



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

31.0846, 0.3440, 0.2902

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5199, 0.4006, 0.2485 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, 99, 181)` looks like.

```
.text, #text, p{  
    color:rgb(255, 99, 181)  
}
```

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, 99, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 181) }
```

Border

The CSS property to change the border of an element to Yxy 33.5199, 0.4006, 0.2485 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, 99, 181) }
```

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

```
.border{ border-color:rgb(255, 99, 181) }
```

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

Here you see how a box with a 4 pixel rgb(255, 99, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 181);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5199, 0.4006, 0.2485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 99, 181) }
```

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

```
.background{ background-color: rgb(255, 99,  
181) }
```

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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