

Converting Colors

$Y_{xy}(72.1343, 0.5024, 0.2806)$

Have a look what the booklet for
Yxy(72.1343, 0.5024, 0.2806)
contains.

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Color

Yxy(33.9014, 0.3893, 0.2400)

Conversions

Conversions Part 1

Format	Color
Hex	FF63BE
RGB	255, 99, 190
RGB Percent	100%, 39%, 75%
CMY	0.0001, 0.6117, 0.2549
CMYK	0.00, 0.61, 0.25, 0.00
HSL	325°, 100%, 69%
HSV	325°, 61%, 100%
XYZ	54.9909, 33.9014, 52.3635
YIQ	156.0180, 63.7650, 61.3730

Conversions

Conversions Part 2

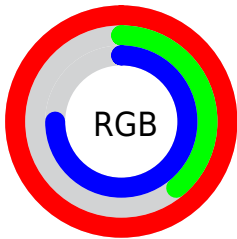
Format	Color
R _Y B	255, 99, 190
Decimal	16737214
CIE Lab	64.88, 67.99, -17.24
CIE LCh	65, 70.146, 345.774
Yxy	33.9014, 0.3893, 0.2400
Android (android.graphics.Color)	4294927294 (0xFFFF63BE)
YUV	156.0180, 16.7531, 86.8072
Hunter-Lab	58.2249, 66.6919, -12.5640

Details

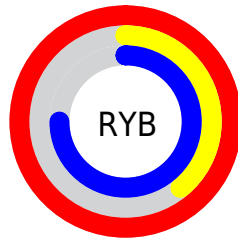
The Yxy color **33.9014, 0.3893, 0.2400** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **76.8416, 0.2769, 0.4470**, and the grayscale version is **33.1613, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.0278, 0.3245, 0.2414**, and **14.5523, 0.4108, 0.2167** is the 20% darker color. If you saturate the color by 10%, you get **29.3614, 0.4082, 0.2312**, and if you desaturate by 10%, it is **40.0033, 0.3719, 0.2521**.

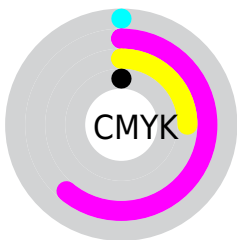
Distribution



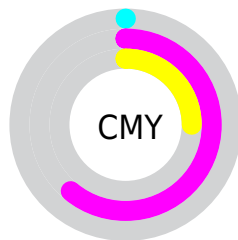
- Red (100%)
- Green (39%)
- Blue (75%)



- Red (100%)
- Yellow (39%)
- Blue (75%)



- Cyan (0%)
- Magenta (61%)
- Yellow (25%)
- Black (0%)





- Cyan (0%)
- Magenta (61%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9014, 0.3893, 0.2400 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 33.9014, 0.3893, 0.2400 by changing the saturation by 10% instead.


 33.9014, 0.3893,
0.2400

 33.9014, 0.3893,
0.2400


319.6922, 0.3509,
0.2833


 22.8179, 0.3988,
0.2297


 65.7803, 0.3754,
0.2554

 14.4591, 0.4111,
0.2167


 87.3445, 0.3701,
0.2613

 8.4406, 0.4272,
0.1999

 113.1710, 0.3657,
0.2663

 4.3782, 0.4494,
0.1777

 143.6442, 0.3619,
0.2706

 1.8873, 0.4818,
0.1470

179.1485, 0.3586,
0.2744

 0.5407, 0.5362,
0.0966

220.0684, 0.3557,

 0.0000, 0.6622,

0.2777

0.0000

266.7881, 0.3532,
0.2807

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

33.9014, 0.3893,
0.2400

33.9014, 0.3893,
0.2400

29.3614, 0.4082,
0.2312

40.0033, 0.3719,
0.2521

26.2282, 0.4278,
0.2270

47.7923, 0.3564,
0.2664

24.3239, 0.4475,
0.2281

57.3870, 0.3429,
0.2818

23.4180, 0.4643,
0.2331

68.8933, 0.3314,
0.2974

 82.4094, 0.3217,
0.3127

 98.0264, 0.3136,
0.3274

99.9961, 0.3127,
0.3290

Harmonies

Analogous

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



33.9014, 0.2787, 0.1958



33.9014, 0.3893, 0.2400



33.9014, 0.4873, 0.3015

Triad

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



33.9014, 0.3893, 0.2400



33.9014, 0.4112, 0.5122



33.9014, 0.1390, 0.2301

Complementary

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



33.9014, 0.3893, 0.2400



76.8416, 0.2769, 0.4470

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.



33.9014, 0.1609, 0.3228



33.9014, 0.3893, 0.2400



33.9014, 0.3146, 0.5281

Square

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



33.9014, 0.3893, 0.2400



33.9014, 0.4893, 0.4454



33.9014, 0.2225, 0.4487



33.9014, 0.1512, 0.1852

Rectangle

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



33.9014, 0.3893, 0.2400



33.9014, 0.5196, 0.3473



33.9014, 0.2225, 0.4487



33.9014, 0.1422, 0.2553

Sweetspot

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



33.9031, 0.3893, 0.2400



72.9590, 0.3281, 0.3023



23.7673, 0.2356, 0.1502



14.8163, 0.3311, 0.2978



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.



33.9031, 0.3893, 0.2400



28.6899, 0.4117, 0.2301



31.4143, 0.4888, 0.3148



18.1648, 0.3202, 0.3152



12.2691, 0.4613, 0.2315



1.2164, 0.4408, 0.2202

Inverse Universe

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



33.9031, 0.3893, 0.2400



28.6899, 0.4117, 0.2301



80.4160, 0.2443, 0.3474



18.1648, 0.3202, 0.3152



12.2691, 0.4613, 0.2315



1.2164, 0.4408, 0.2202

Previews

White Background



This preview shows how the Yxy color 33.9014, 0.3893, 0.2400 looks on a white background.

Color Contrast Check

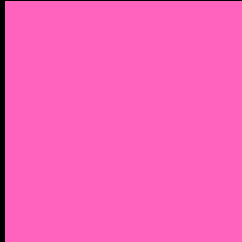
Large Text (above 18pt) WCAG AA × Fail

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 33.9014, 0.3893, 0.2400 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 33.9014, 0.3893, 0.2400

Background



This preview shows how black text looks on a background with the Yxy color 33.9014, 0.3893, 0.2400.



This preview shows how white text looks on a background with the Yxy color 33.9014, 0.3893, 0.2400.

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

33.9014, 0.3893, 0.2400

Protanopia

34.1988, 0.2383, 0.2275

Deuteranopia

34.1700, 0.2956, 0.2894



Tritanopia

33.8313, 0.4632, 0.3213

Trichromacy



Original Color

33.9014, 0.3893, 0.2400



Protanomaly

31.6329, 0.2803, 0.2262



Deuteranomaly

32.2887, 0.3273, 0.2639



Tritanomaly

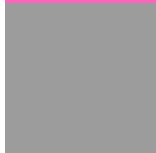
33.5531, 0.4374, 0.2905

Monochromacy



Original Color

33.9014, 0.3893, 0.2400



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

31.3616, 0.3408, 0.2852

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9014, 0.3893, 0.2400 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, 190)` looks like.

```
.text, #text, p{  
    color:rgb(255, 99, 190)  
}
```

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, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 190) }
```

Border

The CSS property to change the border of an element to Yxy 33.9014, 0.3893, 0.2400 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, 190) }
```

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

```
.border{ border-color:rgb(255, 99, 190) }
```

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, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 190);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9014, 0.3893, 0.2400 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, 190) }
```

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

```
.background{ background-color: rgb(255, 99,  
190) }
```

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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