

Converting Colors

Yxy(34.0618, 0.3643, 0.2134)

Have a look what the booklet for
Yxy(34.0618, 0.3643, 0.2134)
contains.

Yxy(33.5972, 0.3619, 0.2129)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.5972, 0.3619, 0.2129)

Conversions

Conversions Part 1

Format	Color
Hex	FF5BD6
RGB	255, 91, 214
RGB Percent	100%, 36%, 84%
CMY	0.0001, 0.6430, 0.1607
CMYK	0.00, 0.64, 0.16, 0.00
HSL	315°, 100%, 68%
HSV	315°, 64%, 100%
XYZ	57.1105, 33.5972, 67.0997
YIQ	154.0580, 58.2610, 73.0210

Conversions

Conversions Part 2

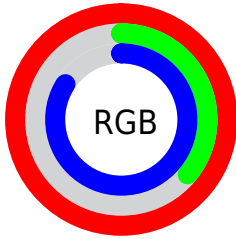
Format	Color
R _Y B	255, 91, 214
Decimal	16735190
CIE Lab	64.64, 74.33, -31.16
CIE LCh	65, 80.593, 337.256
Yxy	33.5972, 0.3619, 0.2129
Android (android.graphics.Color)	4294925270 (0xFFFF5BD6)
YUV	154.0580, 29.5514, 88.5261
Hunter-Lab	57.9631, 74.4390, -28.0616

Details

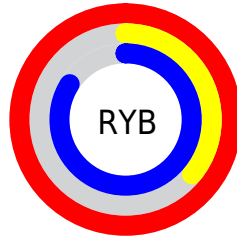
The Yxy color **33.5972, 0.3619, 0.2129** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **75.3914, 0.2878, 0.4906**, and the grayscale version is **32.1975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.2927, 0.3175, 0.2275**, and **14.3446, 0.3738, 0.1856** is the 20% darker color. If you saturate the color by 10%, you get **29.6337, 0.3722, 0.2024**, and if you desaturate by 10%, it is **39.0568, 0.3520, 0.2272**.

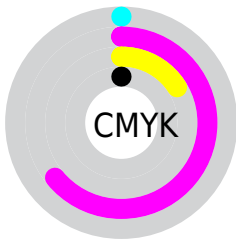
Distribution



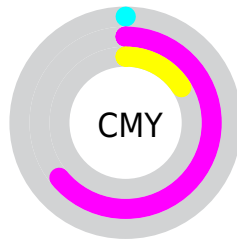
- Red (100%)
- Green (36%)
- Blue (84%)



- Red (100%)
- Yellow (36%)
- Blue (84%)



- Cyan (0%)
- Magenta (64%)
- Yellow (16%)
- Black (0%)





- Cyan (0%)
- Magenta (64%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.5972, 0.3619, 0.2129 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 33.5972, 0.3619, 0.2129 by changing the saturation by 10% instead.


 33.5972, 0.3619,
0.2129

 33.5972, 0.3619,
0.2129


318.3322, 0.3391,
0.2673


 22.5843, 0.3670,
0.2005


 65.3068, 0.3540,
0.2318

 14.2869, 0.3733,
0.1854


 86.7723, 0.3510,
0.2391

 8.3205, 0.3810,
0.1664


 112.4908, 0.3483,
0.2454

 4.3007, 0.3907,
0.1423

 142.8467, 0.3460,
0.2510

 1.8431, 0.4029,
0.1111

178.2244, 0.3440,
0.2558

 0.5139, 0.4206,
0.0653

219.0083, 0.3421,

 0.0000, 0.4443,

0.2601

0.0000

265.5828, 0.3405,
0.2639

■ 0.0000, 0.3775,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.5972, 0.3619,
0.2129

■ 33.5972, 0.3619,
0.2129

■ 29.6337, 0.3722,
0.2024

■ 39.0568, 0.3520,
0.2272

■ 27.0044, 0.3825,
0.1965


■ 46.1429, 0.3428,
0.2443

■ 25.5185, 0.3924,
0.1955

■ 54.9771, 0.3344,
0.2631

■ 25.0270, 0.3980,
0.1966

■ 65.6680, 0.3269,
0.2826

 78.3155, 0.3204,
0.3022

 93.0122, 0.3148,
0.3211

99.9938, 0.3127,
0.3290

Harmonies

Analogous

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



33.5972, 0.2427, 0.1722



33.5972, 0.3619, 0.2129



33.5972, 0.4865, 0.2751

Triad

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



33.5972, 0.3619, 0.2129



33.5972, 0.4452, 0.5120



33.5972, 0.1227, 0.2381

Complementary

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



33.5972, 0.3619, 0.2129



75.3914, 0.2878, 0.4906

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.



33.5972, 0.1561, 0.3597



33.5972, 0.3619, 0.2129



33.5972, 0.3404, 0.5637

Square

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



33.5972, 0.3619, 0.2129



33.5972, 0.5256, 0.4275



33.5972, 0.2344, 0.5075



33.5972, 0.1269, 0.1769

Rectangle

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



33.5972, 0.3619, 0.2129



33.5972, 0.5381, 0.3227



33.5972, 0.2344, 0.5075



33.5972, 0.1292, 0.2716

Sweetspot

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



33.5989, 0.3619, 0.2129



72.1326, 0.3234, 0.2930



19.3974, 0.2101, 0.1320



14.6789, 0.3253, 0.2874



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.



33.5989, 0.3619, 0.2129



28.8055, 0.3750, 0.2003



30.4857, 0.4657, 0.2878



18.2182, 0.3176, 0.3113



13.1061, 0.3964, 0.1958



1.2936, 0.3859, 0.1900

Inverse Universe

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



33.5989, 0.3619, 0.2129



28.8055, 0.3750, 0.2003



78.4413, 0.2536, 0.3836



18.2182, 0.3176, 0.3113



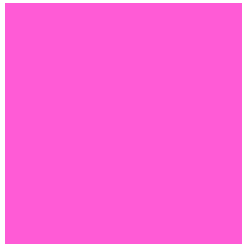
13.1061, 0.3964, 0.1958



1.2936, 0.3859, 0.1900

Previews

White Background



This preview shows how the Yxy color 33.5972, 0.3619, 0.2129 looks on a white background.

Color Contrast Check

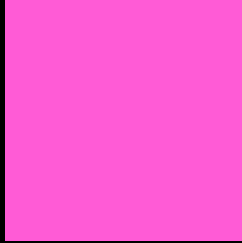
Large Text (above 18pt) WCAG AA × Fail

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 33.5972, 0.3619, 0.2129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

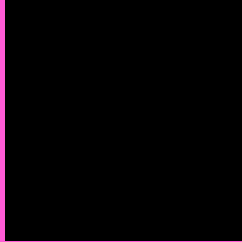
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.5972, 0.3619, 0.2129

Background



This preview shows how black text looks on a background with the Yxy color 33.5972, 0.3619, 0.2129.



This preview shows how white text looks on a background with the Yxy color 33.5972, 0.3619, 0.2129.

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

33.5972, 0.3619, 0.2129

Protanopia

34.1131, 0.2169, 0.2003

Deuteranopia

33.6739, 0.2653, 0.2591



Tritanopia

33.5137, 0.4598, 0.3222

Trichromacy



Original Color

33.5972, 0.3619, 0.2129



Protanomaly

30.7394, 0.2537, 0.1960



Deuteranomaly

31.2258, 0.2954, 0.2320



Tritanomaly

33.0554, 0.4245, 0.2788

Monochromacy



Original Color

33.5972, 0.3619, 0.2129



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

30.4436, 0.3317, 0.2697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5972, 0.3619, 0.2129 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, 91, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 91, 214)  
}
```

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, 91, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 91, 214) }
```

Border

The CSS property to change the border of an element to Yxy 33.5972, 0.3619, 0.2129 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, 91, 214) }
```

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

```
.border{ border-color:rgb(255, 91, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 91, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 91, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 91, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 91,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5972, 0.3619, 0.2129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 91, 214) }
```

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

```
.background{ background-color: rgb(255, 91,  
214) }
```

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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