

Converting Colors

Yxy(33.4572, 0.3695, 0.2193)

Have a look what the booklet for
Yxy(33.4572, 0.3695, 0.2193)
contains.

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Color

Yxy(33.4193, 0.3700, 0.2195)

Conversions

Conversions Part 1

Format	Color
Hex	FF5CCF
RGB	255, 92, 207
RGB Percent	100%, 36%, 81%
CMY	0.0000, 0.6392, 0.1883
CMYK	0.00, 0.64, 0.19, 0.00
HSL	318°, 100%, 68%
HSV	318°, 64%, 100%
XYZ	56.3332, 33.4193, 62.4994
YIQ	153.8470, 60.2330, 70.3210

Conversions

Conversions Part 2

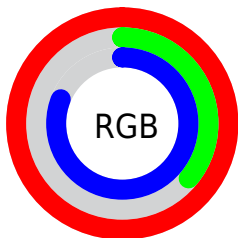
Format	Color
R _{YB}	255, 92, 207
Decimal	16735439
CIE Lab	64.50, 73.02, -27.42
CIE LCh	64, 77.998, 339.416
Yxy	33.4193, 0.3700, 0.2195
Android (android.graphics.Color)	4294925519 (0xFFFF5CCF)
YUV	153.8470, 26.2044, 88.7112
Hunter-Lab	57.8094, 72.7754, -23.6335

Details

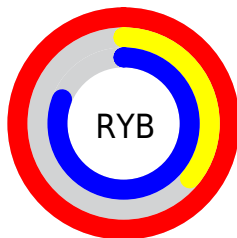
The Yxy color **33.4193, 0.3700, 0.2195** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **75.6887, 0.2848, 0.4801**, and the grayscale version is **32.1038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6132, 0.3174, 0.2284**, and **14.2397, 0.3855, 0.1936** is the 20% darker color. If you saturate the color by 10%, you get **29.3594, 0.3824, 0.2096**, and if you desaturate by 10%, it is **38.9778, 0.3581, 0.2332**.

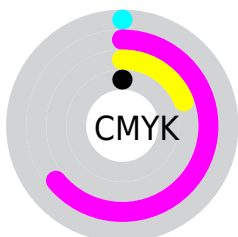
Distribution



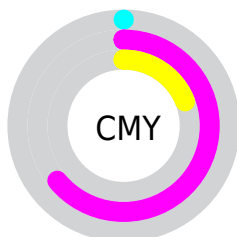
- Red (100%)
- Green (36%)
- Blue (81%)



- Red (100%)
- Yellow (36%)
- Blue (81%)



- Cyan (0%)
- Magenta (64%)
- Yellow (19%)
- Black (0%)





- Cyan (0%)
- Magenta (64%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.4193, 0.3700, 0.2195 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 33.4193, 0.3700, 0.2195 by changing the saturation by 10% instead.


 33.4193, 0.3700,
0.2195


 33.4193, 0.3700,
0.2195

317.5349, 0.3426,
0.2713


 22.4478, 0.3764,
0.2076

 65.0296, 0.3604,
0.2376

 14.1863, 0.3843,
0.1928


 86.4373, 0.3567,
0.2446

 8.2504, 0.3944,
0.1742

 112.0924, 0.3535,
0.2506

 4.2556, 0.4076,
0.1503

 142.3795, 0.3507,
0.2559

 1.8175, 0.4252,
0.1189

177.6829, 0.3483,
0.2605

 0.4981, 0.4527,
0.0706

218.3870, 0.3462,

 0.0000, 0.4949,

0.2645

0.0000

264.8762, 0.3443,
0.2681

■ 0.0000, 0.7565,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.4193, 0.3700,
0.2195

■ 33.4193, 0.3700,
0.2195

■ 29.3594, 0.3824,
0.2096

■ 38.9778, 0.3581,
0.2332

■ 26.6491, 0.3951,
0.2043

■ 46.1767, 0.3472,
0.2495


■ 25.0950, 0.4074,
0.2040

■ 55.1333, 0.3373,
0.2674

■ 24.5504, 0.4148,
0.2058

■ 65.9561, 0.3287,
0.2860

 78.7447, 0.3213,
0.3044

 93.5916, 0.3149,
0.3222

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



33.4193, 0.2519, 0.1776



33.4193, 0.3700, 0.2195



33.4193, 0.4885, 0.2818

Triad

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



33.4193, 0.3700, 0.2195



33.4193, 0.4366, 0.5139



33.4193, 0.1260, 0.2350

Complementary

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



33.4193, 0.3700, 0.2195



75.6887, 0.2848, 0.4801

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.



33.4193, 0.1563, 0.3490



33.4193, 0.3700, 0.2195



33.4193, 0.3334, 0.5568

Square

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



33.4193, 0.3700, 0.2195



33.4193, 0.5169, 0.4329



33.4193, 0.2304, 0.4925



33.4193, 0.1323, 0.1782

Rectangle

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



33.4193, 0.3700, 0.2195



33.4193, 0.5349, 0.3291



33.4193, 0.2304, 0.4925



33.4193, 0.1316, 0.2662

Sweetspot

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



33.4169, 0.3700, 0.2195



72.0025, 0.3249, 0.2951



20.2914, 0.2166, 0.1357



14.6472, 0.3271, 0.2898



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.



33.4169, 0.3700, 0.2195



28.3905, 0.3863, 0.2074



30.4533, 0.4756, 0.2961



18.2038, 0.3183, 0.3124



12.8555, 0.4128, 0.2048



1.2709, 0.3998, 0.1976

Inverse Universe

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



33.4169, 0.3700, 0.2195



28.3905, 0.3863, 0.2074



78.9454, 0.2503, 0.3725



18.2038, 0.3183, 0.3124



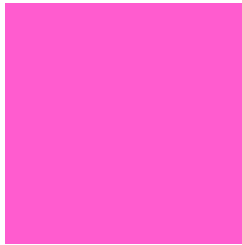
12.8555, 0.4128, 0.2048



1.2709, 0.3998, 0.1976

Previews

White Background



This preview shows how the Yxy color 33.4193, 0.3700, 0.2195 looks on a white background.

Color Contrast Check

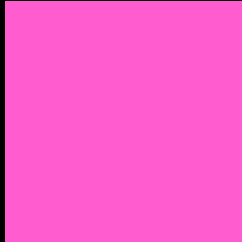
Large Text (above 18pt) WCAG AA × Fail

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 33.4193, 0.3700, 0.2195 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 33.4193, 0.3700, 0.2195

Background



This preview shows how black text looks on a background with the Yxy color 33.4193, 0.3700, 0.2195.



This preview shows how white text looks on a background with the Yxy color 33.4193, 0.3700, 0.2195.

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

33.4193, 0.3700, 0.2195

Protanopia

33.7844, 0.2167, 0.1990

Deuteranopia

33.7677, 0.2730, 0.2671



Tritanopia

33.2139, 0.4631, 0.3212

Trichromacy



Original Color

33.4193, 0.3700, 0.2195



Protanomaly

30.6211, 0.2550, 0.1978



Deuteranomaly

31.2685, 0.3047, 0.2403



Tritanomaly

32.9320, 0.4298, 0.2812

Monochromacy



Original Color

33.4193, 0.3700, 0.2195



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

30.3261, 0.3349, 0.2734

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4193, 0.3700, 0.2195 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, 92, 207)` looks like.

```
.text, #text, p{  
  color:rgb(255, 92, 207)  
}
```

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, 92, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 92, 207) }
```

Border

The CSS property to change the border of an element to Yxy 33.4193, 0.3700, 0.2195 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, 92, 207) }
```

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

```
.border{ border-color:rgb(255, 92, 207) }
```

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

Here you see how a box with a 4 pixel rgb(255, 92, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 92, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 92, 207);  
box-shadow:4px 4px 4px 4px rgb(255, 92,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4193, 0.3700, 0.2195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 92, 207) }
```

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

```
.background{ background-color: rgb(255, 92,  
207) }
```

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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