

Converting Colors

$Y_{xy}(48.0789, 0.4354, 0.2484)$

Have a look what the booklet for
Yxy(48.0789, 0.4354, 0.2484)
contains.

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Color

Yxy(33.5772, 0.3744, 0.2244)

Conversions

Conversions Part 1

Format	Color
Hex	FF5ECB
RGB	255, 94, 203
RGB Percent	100%, 37%, 80%
CMY	0.0000, 0.6313, 0.2039
CMYK	0.00, 0.63, 0.20, 0.00
HSL	319°, 100%, 68%
HSV	319°, 63%, 100%
XYZ	56.0219, 33.5772, 60.0320
YIQ	154.5650, 60.9670, 68.0310

Conversions

Conversions Part 2

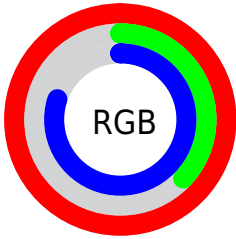
Format	Color
R _Y B	255, 94, 203
Decimal	16735947
CIE Lab	64.63, 71.70, -24.99
CIE LCh	65, 75.927, 340.785
Yxy	33.5772, 0.3744, 0.2244
Android (android.graphics.Color)	4294926027 (0xFFFF5ECB)
YUV	154.5650, 23.8785, 88.0815
Hunter-Lab	57.9458, 71.1680, -20.8624

Details

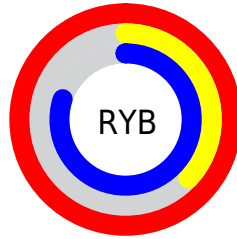
The Yxy color **33.5772, 0.3744, 0.2244** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **75.9739, 0.2830, 0.4719**, and the grayscale version is **32.4512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2625, 0.3174, 0.2302**, and **14.3458, 0.3904, 0.1985** is the 20% darker color. If you saturate the color by 10%, you get **29.3856, 0.3883, 0.2146**, and if you desaturate by 10%, it is **39.2902, 0.3613, 0.2378**.

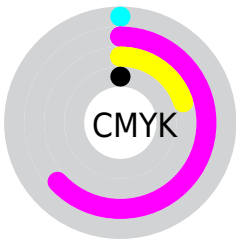
Distribution



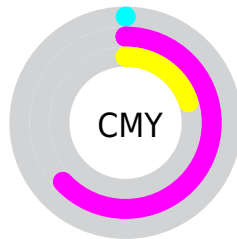
- Red (100%)
- Green (37%)
- Blue (80%)



- Red (100%)
- Yellow (37%)
- Blue (80%)



- Cyan (0%)
- Magenta (63%)
- Yellow (20%)
- Black (0%)



- Cyan (0%)
- Magenta (63%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.5772, 0.3744, 0.2244 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 33.5772, 0.3744, 0.2244 by changing the saturation by 10% instead.


 33.5772, 0.3744,
0.2244

 33.5772, 0.3744,
0.2244

318.2427, 0.3445,
0.2742

 22.5690, 0.3815,
0.2128


 65.2756, 0.3638,
0.2419

 14.2756, 0.3904,
0.1985


 86.7347, 0.3597,
0.2486

 8.3126, 0.4019,
0.1803


 112.4460, 0.3563,
0.2544

 4.2956, 0.4171,
0.1567

 142.7942, 0.3533,
0.2594

 1.8403, 0.4380,
0.1254

178.1636, 0.3507,
0.2638

 0.5121, 0.4713,
0.0766

218.9385, 0.3484,

 0.0000, 0.5273,

0.2677

0.0000

265.5034, 0.3463,
0.2711

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.5772, 0.3744,
0.2244

■ 33.5772, 0.3744,
0.2244

■ 29.3856, 0.3883,
0.2146

■ 39.2902, 0.3613,
0.2378

■ 26.5561, 0.4025,
0.2095

■ 46.6530, 0.3493,
0.2538


■ 24.9029, 0.4165,
0.2095

■ 55.7859, 0.3386,
0.2711

■ 24.2629, 0.4258,
0.2119

■ 66.7967, 0.3293,
0.2890

 79.7844, 0.3214,
0.3067

 94.8413, 0.3146,
0.3238

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.



33.5772, 0.2582, 0.1820



33.5772, 0.3744, 0.2244



33.5772, 0.4879, 0.2864

Triad

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



33.5772, 0.3744, 0.2244



33.5772, 0.4307, 0.5136



33.5772, 0.1293, 0.2341

Complementary

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



33.5772, 0.3744, 0.2244



75.9739, 0.2830, 0.4719

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.



33.5772, 0.1578, 0.3426



33.5772, 0.3744, 0.2244



33.5772, 0.3293, 0.5499

Square

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



33.5772, 0.3744, 0.2244



33.5772, 0.5102, 0.4359



33.5772, 0.2289, 0.4817



33.5772, 0.1369, 0.1801

Rectangle

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



33.5772, 0.3744, 0.2244



33.5772, 0.5309, 0.3334



33.5772, 0.2289, 0.4817



33.5772, 0.1344, 0.2638

Sweetspot

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



33.5789, 0.3744, 0.2244



71.9208, 0.3259, 0.2964



21.2459, 0.2220, 0.1399



14.6274, 0.3283, 0.2913



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.



33.5789, 0.3744, 0.2244



28.4429, 0.3924, 0.2126



30.7100, 0.4798, 0.3016



18.1947, 0.3188, 0.3130



12.7067, 0.4236, 0.2107



1.2572, 0.4089, 0.2026

Inverse Universe

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



33.5789, 0.3744, 0.2244



28.4429, 0.3924, 0.2126



79.3612, 0.2485, 0.3650



18.1947, 0.3188, 0.3130



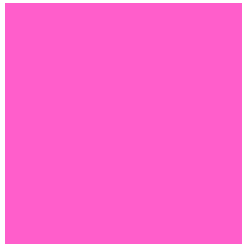
12.7067, 0.4236, 0.2107



1.2572, 0.4089, 0.2026

Previews

White Background



This preview shows how the Yxy color 33.5772, 0.3744, 0.2244 looks on a white background.

Color Contrast Check

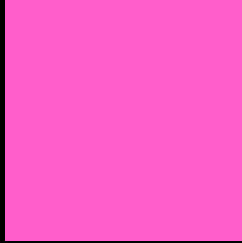
Large Text (above 18pt) WCAG AA × Fail

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 33.5772, 0.3744, 0.2244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

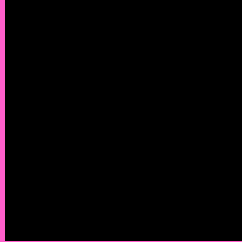
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.5772, 0.3744, 0.2244

Background



This preview shows how black text looks on a background with the Yxy color 33.5772, 0.3744, 0.2244.

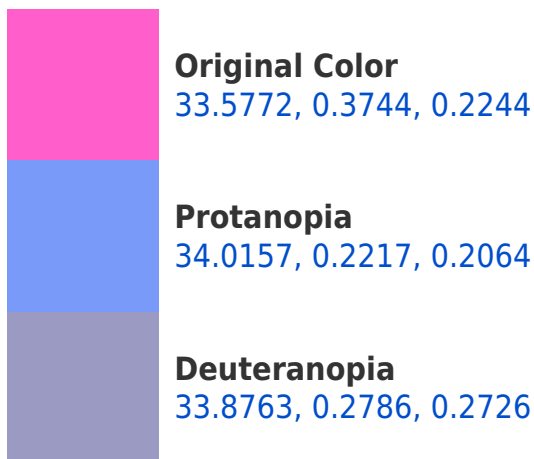


This preview shows how white text looks on a background with the Yxy color 33.5772, 0.3744, 0.2244.

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





Tritanopia

33.6231, 0.4635, 0.3223

Trichromacy



Original Color

33.5772, 0.3744, 0.2244



Protanomaly

30.8748, 0.2618, 0.2052



Deuteranomaly

31.6101, 0.3104, 0.2465



Tritanomaly

33.2590, 0.4330, 0.2845

Monochromacy



Original Color

33.5772, 0.3744, 0.2244



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

30.8300, 0.3357, 0.2773

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5772, 0.3744, 0.2244 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, 94, 203)` looks like.

```
.text, #text, p{  
  color:rgb(255, 94, 203)  
}
```

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, 94, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 94, 203) }
```

Border

The CSS property to change the border of an element to Yxy 33.5772, 0.3744, 0.2244 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, 94, 203) }
```

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

```
.border{ border-color:rgb(255, 94, 203) }
```

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

Here you see how a box with a 4 pixel rgb(255, 94, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 94, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 94, 203);  
box-shadow:4px 4px 4px 4px rgb(255, 94,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5772, 0.3744, 0.2244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 94, 203) }
```

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

```
.background{ background-color: rgb(255, 94,  
203) }
```

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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