

Converting Colors

$Y_{xy}(33.2855, 0.3698, 0.2380)$

Have a look what the booklet for
Yxy(33.2855, 0.3698, 0.2380)
contains.

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Color

Yxy(33.2877, 0.3696, 0.2384)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F26BC2 |
| RGB | 242, 107, 194 |
| RGB Percent | 95%, 42%, 76% |
| CMY | 0.0511, 0.5803, 0.2393 |
| CMYK | 0.00, 0.56, 0.20, 0.05 |
| HSL | 321°, 84%, 68% |
| HSV | 321°, 56%, 95% |
| XYZ | 51.6071, 33.2877, 54.7348 |
| YIQ | 157.2830, 52.5330, 55.6770 |

Conversions

Conversions Part 2

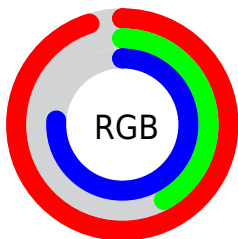
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 242, 107, 194 |
| Decimal | 15887298 |
| CIE Lab | 64.39, 61.38, -20.42 |
| CIE LCh | 64, 64.690, 341.603 |
| Yxy | 33.2877, 0.3696, 0.2384 |
| Android (android.graphics.Color) | 4294077378 (0xFFFF26BC2) |
| YUV | 157.2830, 18.1015, 74.2968 |
| Hunter-Lab | 57.6955, 58.6965, -15.8606 |

Details

The Yxy color **33.2877, 0.3696, 0.2384** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **68.9884, 0.2826, 0.4458**, and the grayscale version is **33.7535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.4194, 0.3201, 0.2428**, and **14.1574, 0.3859, 0.2154** is the 20% darker color. If you saturate the color by 10%, you get **28.5531, 0.3845, 0.2264**, and if you desaturate by 10%, it is **39.4594, 0.3560, 0.2531**.

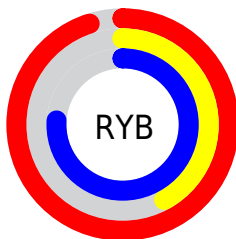
Distribution



Red (95%)

Green (42%)

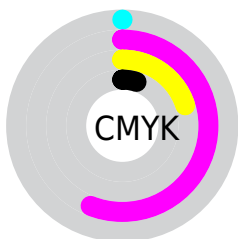
Blue (76%)



Red (95%)

Yellow (42%)

Blue (76%)

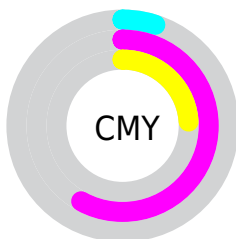


Cyan (0%)

Magenta (56%)

Yellow (20%)

Black (5%)



Cyan (5%)

Magenta (58%)

Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2877, 0.3696, 0.2384 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 33.2877, 0.3696, 0.2384 by changing the saturation by 10% instead.


 33.2877, 0.3696,
0.2384


 33.2877, 0.3696,
0.2384


316.9441, 0.3415,
0.2824


 22.3469, 0.3765,
0.2279


 64.8244, 0.3595,
0.2540


 14.1120, 0.3852,
0.2147


 86.1892, 0.3556,
0.2600

 8.1986, 0.3966,
0.1978


 111.7974, 0.3524,
0.2651

 4.2223, 0.4121,
0.1752

 142.0335, 0.3496,
0.2695

 1.7987, 0.4343,
0.1443

177.2818, 0.3472,
0.2734

 0.4864, 0.4726,
0.0909

217.9267, 0.3450,

 0.0000, 0.5478,

0.2767

0.0000

264.3527, 0.3432,
0.2797

0.0000, 0.0000,
0.0000

33.2877, 0.3696,
0.2384

33.2877, 0.3696,
0.2384

28.5531, 0.3845,
0.2264

39.4594, 0.3560,
0.2531

25.1294, 0.4003,
0.2183

47.1708, 0.3438,
0.2695

22.8763, 0.4163,
0.2151

56.5207, 0.3333,
0.2865

21.6189, 0.4320,
0.2170

67.5981, 0.3242,
0.3035

21.2717, 0.4385,
0.2189

80.4858, 0.3166,
0.3199

■ 95.2610, 0.3101,
0.3355

■ 97.5644, 0.3052,
0.3297

■ 97.6141, 0.3047,
0.3290

Harmonies

Analogous

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



33.2877, 0.2687, 0.1991



33.2877, 0.3696, 0.2384



33.2877, 0.4650, 0.2956

Triad

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



33.2877, 0.3696, 0.2384



33.2877, 0.4192, 0.4947



33.2877, 0.1494, 0.2468

Complementary

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



33.2877, 0.3696, 0.2384



68.9884, 0.2826, 0.4458

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.



33.2877, 0.1762, 0.3397



33.2877, 0.3696, 0.2384



33.2877, 0.3295, 0.5156

Square

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



33.2877, 0.3696, 0.2384



33.2877, 0.4871, 0.4316



33.2877, 0.2402, 0.4536



33.2877, 0.1565, 0.1975

Rectangle

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



33.2877, 0.3696, 0.2384



33.2877, 0.5018, 0.3391



33.2877, 0.2402, 0.4536



33.2877, 0.1543, 0.2729

Sweetspot

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



33.2893, 0.3696, 0.2384



74.4386, 0.3253, 0.3013



23.8263, 0.2386, 0.1640



15.3715, 0.3270, 0.2979



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.



33.2893, 0.3696, 0.2384



31.5297, 0.3867, 0.2250



30.9343, 0.4554, 0.3082



15.9304, 0.3192, 0.3139



11.4562, 0.4361, 0.2176



0.9719, 0.4169, 0.2070

Inverse Universe

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



33.2893, 0.3696, 0.2384



31.5297, 0.3867, 0.2250



71.8809, 0.2511, 0.3542



15.9304, 0.3192, 0.3139



11.4562, 0.4361, 0.2176



0.9719, 0.4169, 0.2070

Previews

White Background



This preview shows how the Yxy color 33.2877, 0.3696, 0.2384 looks on a white background.

Color Contrast Check

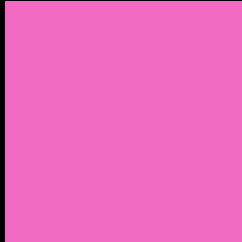
Large Text (above 18pt) WCAG AA × Fail

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 33.2877, 0.3696, 0.2384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

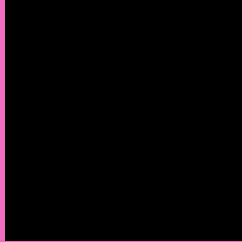
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.2877, 0.3696, 0.2384

Background



This preview shows how black text looks on a background with the Yxy color 33.2877, 0.3696, 0.2384.



This preview shows how white text looks on a background with the Yxy color 33.2877, 0.3696, 0.2384.

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

33.2877, 0.3696, 0.2384

Protanopia

33.6739, 0.2385, 0.2280

Deuteranopia

33.5384, 0.2868, 0.2807



Tritanopia

33.3636, 0.4379, 0.3205

Trichromacy



Original Color

33.2877, 0.3696, 0.2384



Protanomaly

31.6198, 0.2759, 0.2274



Deuteranomaly

32.0174, 0.3140, 0.2588



Tritanomaly

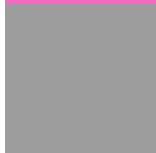
33.1996, 0.4133, 0.2897

Monochromacy



Original Color

33.2877, 0.3696, 0.2384



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

32.0589, 0.3338, 0.2874

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2877, 0.3696, 0.2384 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(242, 107, 194)` looks like.

```
.text, #text, p{  
    color:rgb(242, 107, 194)  
}
```

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(242, 107, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 107, 194) }
```

Border

The CSS property to change the border of an element to Yxy 33.2877, 0.3696, 0.2384 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(242, 107, 194) }
```

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

```
.border{ border-color:rgb(242, 107, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 107, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 107, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 107, 194);  
box-shadow:4px 4px 4px 4px rgb(242, 107,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2877, 0.3696, 0.2384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 107, 194) }
```

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

```
.background{ background-color: rgb(242,  
107, 194) }
```

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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