

Converting Colors

$Y_{xy}(29.2891, 0.3838, 0.2103)$

Have a look what the booklet for
Yxy(29.2891, 0.3838, 0.2103)
contains.

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Color

Yxy(29.2336, 0.3844, 0.2105)

Conversions

Conversions Part 1

Format	Color
Hex	FF42C6
RGB	255, 66, 198
RGB Percent	100%, 26%, 78%
CMY	0.0000, 0.7412, 0.2235
CMYK	0.00, 0.74, 0.22, 0.00
HSL	318°, 100%, 63%
HSV	318°, 74%, 100%
XYZ	53.3843, 29.2336, 56.2591
YIQ	137.5590, 70.2720, 81.1200

Conversions

Conversions Part 2

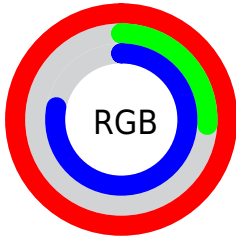
Format	Color
R _Y B	255, 66, 198
Decimal	16728774
CIE Lab	60.99, 80.69, -27.75
CIE LCh	61, 85.333, 341.022
Yxy	29.2336, 0.3844, 0.2105
Android (android.graphics.Color)	4294918854 (0xFFFF42C6)
YUV	137.5590, 29.7974, 102.9958
Hunter-Lab	54.0681, 81.6233, -23.8449

Details

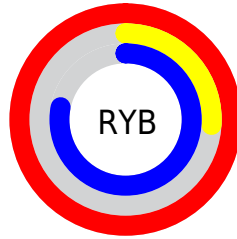
The Yxy color **29.2336, 0.3844, 0.2105** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **74.1078, 0.2838, 0.5057**, and the grayscale version is **25.1023, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4453, 0.3183, 0.2103**, and **13.4830, 0.3994, 0.1974** is the 20% darker color. If you saturate the color by 10%, you get **26.5427, 0.3974, 0.2054**, and if you desaturate by 10%, it is **33.2684, 0.3716, 0.2202**.

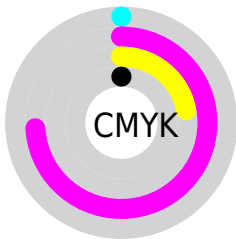
Distribution



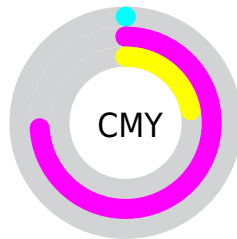
- Red (100%)
- Green (26%)
- Blue (78%)



- Red (100%)
- Yellow (26%)
- Blue (78%)



- Cyan (0%)
- Magenta (74%)
- Yellow (22%)
- Black (0%)




- Cyan (0%)
- Magenta (74%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2336, 0.3844, 0.2105 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 29.2336, 0.3844, 0.2105 by changing the saturation by 10% instead.

 29.2336, 0.3844,
0.2105


 29.2336, 0.3844,
0.2105


298.3156, 0.3493,
0.2672

 19.2576, 0.3928,
0.1973


 58.4480, 0.3719,
0.2304


 11.8566, 0.4034,
0.1810


 78.4552, 0.3671,
0.2381


 6.6461, 0.4169,
0.1604


 102.5750, 0.3631,
0.2447

 3.2418, 0.4350,
0.1339

 131.1917, 0.3596,
0.2504

 1.2592, 0.4596,
0.0995

 164.6897, 0.3565,
0.2554

 0.1093, 0.5127,
0.0202


203.4534, 0.3538,


 0.0000, 0.5479,


0.2598

0.0000


247.8672, 0.3515,
0.2637


 0.0000, 0.0000,
0.0000


 29.2336, 0.3844,
0.2105


 29.2336, 0.3844,
0.2105

 26.5427, 0.3974,
0.2054


 33.2684, 0.3716,
0.2202


 25.0049, 0.4101,
0.2054


 38.8049, 0.3594,
0.2337


 24.4787, 0.4174,
0.2073

 45.9779, 0.3481,
0.2499

 54.9071, 0.3380,
0.2676

 65.7013, 0.3292,
0.2860

 78.4604, 0.3216,
0.3043

 93.2768, 0.3151,
0.3220

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.



29.2336, 0.2495, 0.1644



29.2336, 0.3844, 0.2105



29.2336, 0.5184, 0.2776

Triad

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



29.2336, 0.3844, 0.2105



29.2336, 0.4365, 0.5343



29.2336, 0.1075, 0.2161

Complementary

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



29.2336, 0.3844, 0.2105



74.1078, 0.2838, 0.5057

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.



29.2336, 0.1351, 0.3403



29.2336, 0.3844, 0.2105



29.2336, 0.3221, 0.5901

Square

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



29.2336, 0.3844, 0.2105



29.2336, 0.5316, 0.4396



29.2336, 0.2112, 0.5126



29.2336, 0.1169, 0.1598

Rectangle

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



29.2336, 0.3844, 0.2105



29.2336, 0.5658, 0.3275



29.2336, 0.2112, 0.5126



29.2336, 0.1121, 0.2488

Sweetspot

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



29.2333, 0.3844, 0.2105



68.2388, 0.3275, 0.2899



15.3043, 0.2016, 0.1097



13.9146, 0.3297, 0.2849



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.



29.2333, 0.3844, 0.2105



25.6621, 0.4037, 0.2048



26.1511, 0.5220, 0.2988



18.2016, 0.3184, 0.3125



12.8184, 0.4155, 0.2062



1.2675, 0.4020, 0.1988

Inverse Universe

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



29.2333, 0.3844, 0.2105



25.6621, 0.4037, 0.2048



77.6982, 0.2450, 0.3765



18.2016, 0.3184, 0.3125



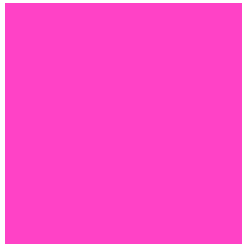
12.8184, 0.4155, 0.2062



1.2675, 0.4020, 0.1988

Previews

White Background



This preview shows how the Yxy color 29.2336, 0.3844, 0.2105 looks on a white background.

Color Contrast Check

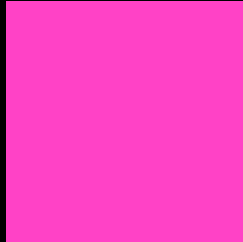
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2336, 0.3844, 0.2105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

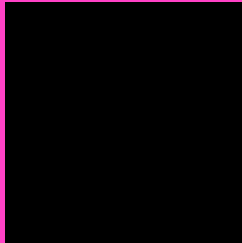
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.2336, 0.3844, 0.2105

Background



This preview shows how black text looks on a background with the Yxy color 29.2336, 0.3844, 0.2105.



This preview shows how white text looks on a background with the Yxy color 29.2336, 0.3844, 0.2105.

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

29.2336, 0.3844, 0.2105

Protanopia

29.7632, 0.2048, 0.1844

Deuteranopia

29.5014, 0.2717, 0.2665



Tritanopia

29.0992, 0.5001, 0.3238

Trichromacy



Original Color

29.2336, 0.3844, 0.2105



Protanomaly

25.3999, 0.2456, 0.1802



Deuteranomaly

26.1975, 0.3075, 0.2305



Tritanomaly

28.6271, 0.4603, 0.2792

Monochromacy



Original Color

29.2336, 0.3844, 0.2105



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

23.9502, 0.3414, 0.2621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2336, 0.3844, 0.2105 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, 66, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 66, 198)  
}
```

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, 66, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 66, 198) }
```

Border

The CSS property to change the border of an element to Yxy 29.2336, 0.3844, 0.2105 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, 66, 198) }
```

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

```
.border{ border-color:rgb(255, 66, 198) }
```

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

Here you see how a box with a 4 pixel rgb(255, 66, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 66, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 66, 198);  
box-shadow:4px 4px 4px 4px rgb(255, 66,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2336, 0.3844, 0.2105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 66, 198) }
```

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

```
.background{ background-color: rgb(255, 66,  
198) }
```

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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