

Converting Colors

$Y_{xy}(28.9924, 0.3702, 0.1973)$

Have a look what the booklet for
Yxy(28.9924, 0.3702, 0.1973)
contains.

| | |
|---|----|
| Yxy(29.0411, 0.3698, 0.1973) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(29.0411, 0.3698, 0.1973)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF3BD2 |
| RGB | 255, 59, 210 |
| RGB Percent | 100%, 23%, 82% |
| CMY | 0.0001, 0.7684, 0.1764 |
| CMYK | 0.00, 0.77, 0.18, 0.00 |
| HSL | 314°, 100%, 62% |
| HSV | 314°, 77%, 100% |
| XYZ | 54.4318, 29.0411, 63.7197 |
| YIQ | 134.8180, 68.3450, 88.5130 |

Conversions

Conversions Part 2

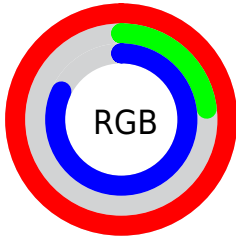
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 255, 59, 210 |
| Decimal | 16726994 |
| CIE Lab | 60.82, 84.11, -34.84 |
| CIE LCh | 61, 91.037, 337.496 |
| Yxy | 29.0411, 0.3698, 0.1973 |
| Android (android.graphics.Color) | 4294917074 (0xFFFF3BD2) |
| YUV | 134.8180, 37.0647, 105.3996 |
| Hunter-Lab | 53.8898, 85.9882, -32.3821 |

Details

The Yxy color **29.0411, 0.3698, 0.1973** 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 **73.4361, 0.2889, 0.5296**, and the grayscale version is **24.0079, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4017, 0.3184, 0.2070**, and **13.8359, 0.3796, 0.1865** is the 20% darker color. If you saturate the color by 10%, you get **26.7417, 0.3790, 0.1923**, and if you desaturate by 10%, it is **32.6325, 0.3605, 0.2070**.

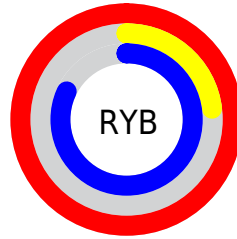
Distribution



Red (100%)

Green (23%)

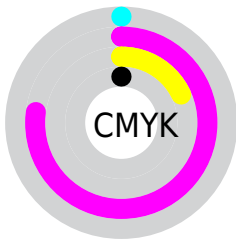
Blue (82%)



Red (100%)

Yellow (23%)

Blue (82%)

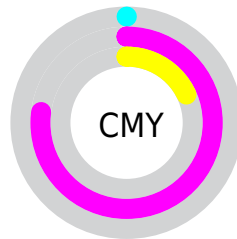


Cyan (0%)

Magenta (77%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (77%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.0411, 0.3698, 0.1973 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 29.0411, 0.3698, 0.1973 by changing the saturation by 10% instead.


 29.0411, 0.3698,
0.1973


 29.0411, 0.3698,
0.1973


297.4088, 0.3432,
0.2591


 19.1119, 0.3757,
0.1833


 58.1424, 0.3606,
0.2187

 11.7512, 0.3830,
0.1662


 78.0833, 0.3571,
0.2271


 6.5745, 0.3918,
0.1450

 102.1302, 0.3540,
0.2343

 3.1974, 0.4028,
0.1183

 130.6675, 0.3513,
0.2406

 1.2357, 0.4163,
0.0849

 164.0796, 0.3489,
0.2461

 0.0905, 0.4457,
0.0138

202.7510, 0.3468,

 0.0000, 0.4466,

0.2509

0.0000

247.0659, 0.3449,
0.2553

■ 0.0000, 0.2191,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.0411, 0.3698,
0.1973

■ 29.0411, 0.3698,
0.1973

■ 26.7417, 0.3790,
0.1923

■ 32.6325, 0.3605,
0.2070

■ 25.5221, 0.3879,
0.1920

■ 37.6760, 0.3513,
0.2208

■ 25.2623, 0.3906,
0.1926

■ 44.3129, 0.3427,
0.2376

■ 52.6667, 0.3348,
0.2565

62.8486, 0.3277,
0.2763

74.9605, 0.3214,
0.2964

89.0967, 0.3160,
0.3160

99.9956, 0.3127,
0.3290

Harmonies

Analogous

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



29.0411, 0.2315, 0.1531



29.0411, 0.3698, 0.1973



29.0411, 0.5182, 0.2645

Triad

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



29.0411, 0.3698, 0.1973



29.0411, 0.4514, 0.5299



29.0411, 0.0996, 0.2192

Complementary

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



29.0411, 0.3698, 0.1973



73.4361, 0.2889, 0.5296

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.



29.0411, 0.1318, 0.3604



29.0411, 0.3698, 0.1973



29.0411, 0.3323, 0.6057

Square

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



29.0411, 0.3698, 0.1973



29.0411, 0.5493, 0.4281



29.0411, 0.2156, 0.5464



29.0411, 0.1057, 0.1553

Rectangle

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



29.0411, 0.3698, 0.1973



29.0411, 0.5760, 0.3149



29.0411, 0.2156, 0.5464



29.0411, 0.1053, 0.2564

Sweetspot

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



29.0426, 0.3698, 0.1973



67.2812, 0.3251, 0.2840



13.1472, 0.1868, 0.0981



13.5095, 0.3275, 0.2768



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.



29.0426, 0.3698, 0.1973



25.9994, 0.3837, 0.1916



25.6164, 0.5091, 0.2843



18.2248, 0.3173, 0.3109



13.2268, 0.3893, 0.1918



1.3044, 0.3798, 0.1866

Inverse Universe

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



29.0426, 0.3698, 0.1973



25.9994, 0.3837, 0.1916



76.5815, 0.2508, 0.4008



18.2248, 0.3173, 0.3109



13.2268, 0.3893, 0.1918



1.3044, 0.3798, 0.1866

Previews

White Background



This preview shows how the Yxy color 29.0411, 0.3698, 0.1973 looks on a white background.

Color Contrast Check

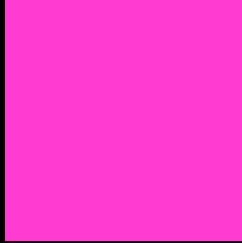
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.0411, 0.3698, 0.1973 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 29.0411, 0.3698, 0.1973

Background



This preview shows how black text looks on a background with the Yxy color 29.0411, 0.3698, 0.1973.

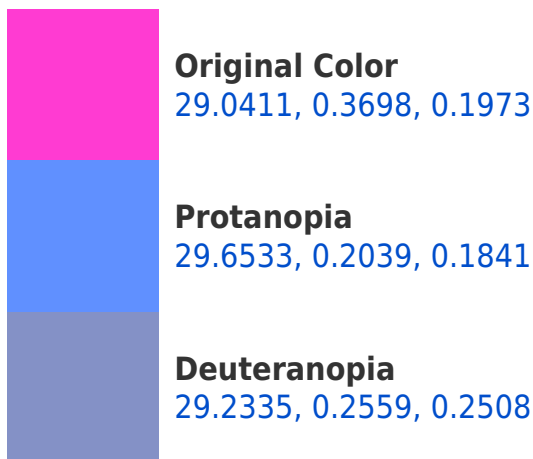


This preview shows how white text looks on a background with the Yxy color 29.0411, 0.3698, 0.1973.

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

28.7575, 0.4971, 0.3228

Trichromacy



Original Color

29.0411, 0.3698, 0.1973



Protanomaly

24.9123, 0.2411, 0.1726



Deuteranomaly

25.6460, 0.2914, 0.2147



Tritanomaly

28.2792, 0.4528, 0.2722

Monochromacy



Original Color

29.0411, 0.3698, 0.1973



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

22.7077, 0.3373, 0.2522

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.0411, 0.3698, 0.1973 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, 59, 210)` looks like.

```
.text, #text, p{  
    color:rgb(255, 59, 210)  
}
```

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, 59, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 59, 210) }
```

Border

The CSS property to change the border of an element to Yxy 29.0411, 0.3698, 0.1973 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, 59, 210) }
```

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

```
.border{ border-color:rgb(255, 59, 210) }
```

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

Here you see how a box with a 4 pixel rgb(255, 59, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 59, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 59, 210);  
box-shadow:4px 4px 4px 4px rgb(255, 59,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 29.0411, 0.3698, 0.1973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 59, 210) }
```

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

```
.background{ background-color: rgb(255, 59,  
210) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor