

Converting Colors

$Yxy(71.4848, 0.4781, 0.2573)$

Have a look what the booklet for
Yxy(71.4848, 0.4781, 0.2573)
contains.

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Color

Yxy(32.4091, 0.3571, 0.2029)

Conversions

Conversions Part 1

Format	Color
Hex	FF52DB
RGB	255, 82, 219
RGB Percent	100%, 32%, 86%
CMY	0.0001, 0.6783, 0.1411
CMYK	0.00, 0.68, 0.14, 0.00
HSL	312°, 100%, 66%
HSV	312°, 68%, 100%
XYZ	57.0394, 32.4091, 70.2809
YIQ	149.3450, 59.1310, 79.2830

Conversions

Conversions Part 2

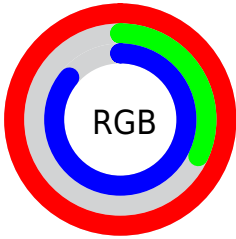
Format	Color
R _Y B	255, 82, 219
Decimal	16732891
CIE Lab	63.68, 78.30, -35.47
CIE LCh	64, 85.955, 335.631
Yxy	32.4091, 0.3571, 0.2029
Android (android.graphics.Color)	4294922971 (0xFFFF52DB)
YUV	149.3450, 34.3399, 92.6594
Hunter-Lab	56.9290, 79.2204, -33.3454

Details

The Yxy color **32.4091, 0.3571, 0.2029** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light muted magenta. A complement of this color would be **74.6090, 0.2903, 0.5096**, and the grayscale version is **30.0473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1249, 0.3178, 0.2213**, and **14.1497, 0.3645, 0.1781** is the 20% darker color. If you saturate the color by 10%, you get **28.9769, 0.3654, 0.1933**, and if you desaturate by 10%, it is **37.2812, 0.3489, 0.2166**.

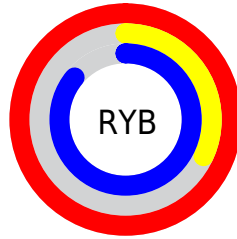
Distribution



Red (100%)

Green (32%)

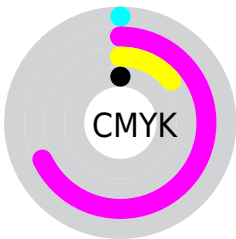
Blue (86%)



Red (100%)

Yellow (32%)

Blue (86%)

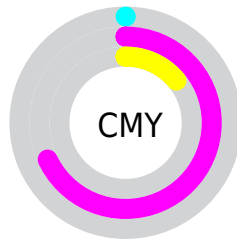


Cyan (0%)

Magenta (68%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (68%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.4091, 0.3571, 0.2029 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 32.4091, 0.3571, 0.2029 by changing the saturation by 10% instead.

 32.4091, 0.3571,
0.2029


 32.4091, 0.3571,
0.2029


312.9786, 0.3372,
0.2615

 21.6742, 0.3614,
0.1897


 63.4519, 0.3504,
0.2231

 13.6177, 0.3664,
0.1737


 84.5285, 0.3477,
0.2310

 7.8552, 0.3725,
0.1539


 109.8212, 0.3454,
0.2378

 4.0025, 0.3796,
0.1289

 139.7143, 0.3434,
0.2438

 1.6749, 0.3878,
0.0974

174.5921, 0.3416,
0.2490

 0.4074, 0.3997,
0.0493

214.8392, 0.3399,

 0.0000, 0.4051,

0.2536

0.0000

260.8399, 0.3385,
0.2578

■ 0.0000, 0.2748,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.4091, 0.3571,
0.2029

■ 32.4091, 0.3571,
0.2029

■ 28.9769, 0.3654,
0.1933

■ 37.2812, 0.3489,
0.2166

■ 26.8123, 0.3736,
0.1884

■ 43.7303, 0.3410,
0.2335

■ 25.6934, 0.3814,
0.1881

■ 51.8827, 0.3337,
0.2526

■ 25.5185, 0.3831,
0.1884

■ 61.8508, 0.3271,
0.2729

73.7373, 0.3213,
0.2935

87.6370, 0.3162,
0.3137

99.9958, 0.3127,
0.3290

Harmonies

Analogous

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



32.4091, 0.2318, 0.1621



32.4091, 0.3571, 0.2029



32.4091, 0.4936, 0.2665

Triad

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



32.4091, 0.3571, 0.2029



32.4091, 0.4546, 0.5153



32.4091, 0.1131, 0.2355

Complementary

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



32.4091, 0.3571, 0.2029



74.6090, 0.2903, 0.5096

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.



32.4091, 0.1488, 0.3698



32.4091, 0.3571, 0.2029



32.4091, 0.3441, 0.5808

Square

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



32.4091, 0.3571, 0.2029



32.4091, 0.5402, 0.4232



32.4091, 0.2324, 0.5314



32.4091, 0.1162, 0.1695

Rectangle

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



32.4091, 0.3571, 0.2029



32.4091, 0.5516, 0.3152



32.4091, 0.2324, 0.5314



32.4091, 0.1201, 0.2721

Sweetspot

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



32.4107, 0.3571, 0.2029



71.0015, 0.3225, 0.2890



17.0136, 0.2000, 0.1200



14.4653, 0.3241, 0.2832



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.



32.4107, 0.3571, 0.2029



28.1672, 0.3681, 0.1913



29.0140, 0.4708, 0.2813



18.2319, 0.3170, 0.3104



13.3590, 0.3818, 0.1877



1.3162, 0.3735, 0.1831

Inverse Universe

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



32.4107, 0.3571, 0.2029



28.1672, 0.3681, 0.1913



77.6175, 0.2545, 0.3949



18.2319, 0.3170, 0.3104



13.3590, 0.3818, 0.1877



1.3162, 0.3735, 0.1831

Previews

White Background



This preview shows how the Yxy color 32.4091, 0.3571, 0.2029 looks on a white background.

Color Contrast Check

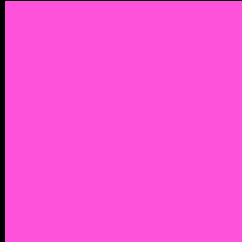
Large Text (above 18pt) WCAG AA × Fail

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 32.4091, 0.3571, 0.2029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

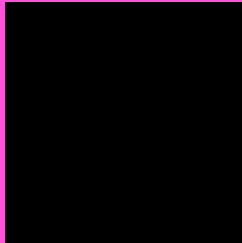
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.4091, 0.3571, 0.2029

Background



This preview shows how black text looks on a background with the Yxy color 32.4091, 0.3571, 0.2029.



This preview shows how white text looks on a background with the Yxy color 32.4091, 0.3571, 0.2029.

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

32.4091, 0.3571, 0.2029

Protanopia

32.7327, 0.2130, 0.1955

Deuteranopia

32.4995, 0.2559, 0.2501



Tritanopia

32.1133, 0.4668, 0.3212

Trichromacy



Original Color

32.4091, 0.3571, 0.2029



Protanomaly

29.1190, 0.2485, 0.1875



Deuteranomaly

29.7560, 0.2869, 0.2216



Tritanomaly

31.6206, 0.4283, 0.2734

Monochromacy



Original Color

32.4091, 0.3571, 0.2029



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

28.4146, 0.3314, 0.2636

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4091, 0.3571, 0.2029 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, 82, 219)` looks like.

```
.text, #text, p{  
    color:rgb(255, 82, 219)  
}
```

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, 82, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 82, 219) }
```

Border

The CSS property to change the border of an element to Yxy 32.4091, 0.3571, 0.2029 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, 82, 219) }
```

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

```
.border{ border-color:rgb(255, 82, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 82, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 82, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 82, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 82,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4091, 0.3571, 0.2029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 82, 219) }
```

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

```
.background{ background-color: rgb(255, 82,  
219) }
```

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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