

Converting Colors

$Y_{xy}(32.9991, 0.4389, 0.2808)$

Have a look what the booklet for
Yxy(32.9991, 0.4389, 0.2808)
contains.

Yxy(32.9971, 0.4389, 0.2808)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.9971, 0.4389, 0.2808)

Conversions

Conversions Part 1

Format	Color
Hex	FF6697
RGB	255, 102, 151
RGB Percent	100%, 40%, 59%
CMY	0.0000, 0.5999, 0.4078
CMYK	0.00, 0.60, 0.41, 0.00
HSL	341°, 100%, 70%
HSV	341°, 60%, 100%
XYZ	51.5756, 32.9971, 32.9383
YIQ	153.3330, 75.4590, 47.6750

Conversions

Conversions Part 2

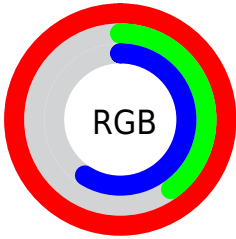
Format	Color
R_{YB}	255, 102, 151
Decimal	16737943
CIE _{Lab}	64.16, 62.31, 3.95
CIE _{LCh}	64, 62.437, 3.623
Yxy	32.9971, 0.4389, 0.2808
Android (android.graphics.Color)	4294928023 (0xFFFF6697)
YUV	153.3330, -1.1502, 89.1620
Hunter-Lab	57.4431, 59.7417, 6.2128

Details

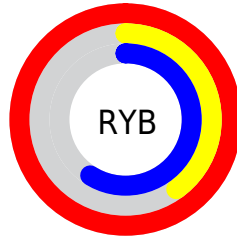
The Yxy color **32.9971, 0.4389, 0.2808** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **78.7937, 0.2593, 0.3901**, and the grayscale version is **31.9915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4641, 0.3608, 0.2816**, and **13.9753, 0.4805, 0.2650** is the 20% darker color. If you saturate the color by 10%, you get **28.2109, 0.4733, 0.2774**, and if you desaturate by 10%, it is **39.4103, 0.4079, 0.2871**.

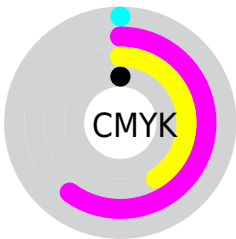
Distribution



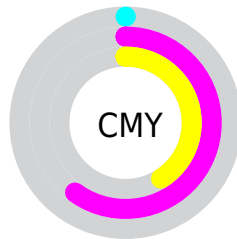
- Red (100%)
- Green (40%)
- Blue (59%)



- Red (100%)
- Yellow (40%)
- Blue (59%)



- Cyan (0%)
- Magenta (60%)
- Yellow (41%)
- Black (0%)




- Cyan (0%)
- Magenta (60%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9971, 0.4389, 0.2808 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 32.9971, 0.4389, 0.2808 by changing the saturation by 10% instead.


 32.9971, 0.4389,
0.2808


 32.9971, 0.4389,
0.2808


315.6367, 0.3724,
0.3068


 22.1242, 0.4564,
0.2737


 64.3710, 0.4140,
0.2907

 13.9482, 0.4794,
0.2644

 85.6408, 0.4049,
0.2943

 8.0847, 0.5107,
0.2514


 111.1451, 0.3973,
0.2972

 4.1492, 0.5555,
0.2323

 141.2681, 0.3908,
0.2998

 1.7573, 0.6234,
0.2026

176.3945, 0.3852,
0.3019

 0.4604, 0.7864,
0.1434

216.9084, 0.3804,

 0.0000, 1.0000,

0.3038

0.0000

263.1943, 0.3762,
0.3054

■ 0.0000, 0.0000,
0.0000

■ 32.9971, 0.4389,
0.2808

■ 32.9971, 0.4389,
0.2808

■ 28.2109, 0.4733,
0.2774

■ 39.4103, 0.4079,
0.2871

■ 24.8965, 0.5093,
0.2781

■ 47.5765, 0.3811,
0.2950

■ 22.8770, 0.5437,
0.2837

■ 57.6155, 0.3587,
0.3037

■ 21.8629, 0.5738,
0.2935

■ 69.6346, 0.3402,
0.3125

■ 21.8623, 0.5738,
0.2935

■ 83.7332, 0.3250,
0.3210

99.9978, 0.3127,
0.3290

Harmonies

Analogous

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



32.9971, 0.3407, 0.2285



32.9971, 0.4389, 0.2808



32.9971, 0.4980, 0.3441

Triad

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



32.9971, 0.4389, 0.2808



32.9971, 0.3540, 0.5110



32.9971, 0.1554, 0.2102

Complementary

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



32.9971, 0.4389, 0.2808



78.7937, 0.2593, 0.3901

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.



32.9971, 0.1571, 0.2695



32.9971, 0.4389, 0.2808



32.9971, 0.2645, 0.4727

Square

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



32.9971, 0.4389, 0.2808



32.9971, 0.4376, 0.4765



32.9971, 0.1933, 0.3693



32.9971, 0.1852, 0.1884

Rectangle

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



32.9971, 0.4389, 0.2808



32.9971, 0.5019, 0.3890



32.9971, 0.1933, 0.3693



32.9971, 0.1524, 0.2253

Sweetspot

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



32.9989, 0.4389, 0.2808



72.2812, 0.3369, 0.3142



29.5622, 0.2725, 0.1689



14.6517, 0.3417, 0.3117



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.



32.9989, 0.4389, 0.2808



27.4351, 0.4805, 0.2772



37.5287, 0.4842, 0.3543



18.0830, 0.3244, 0.3214



11.4486, 0.5695, 0.2911



1.1337, 0.5376, 0.2735

Inverse Universe

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



32.9989, 0.4389, 0.2808



27.4351, 0.4805, 0.2772



66.3569, 0.2321, 0.2979



18.0830, 0.3244, 0.3214



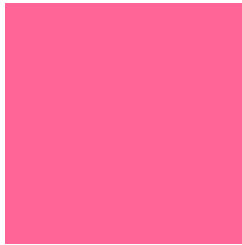
11.4486, 0.5695, 0.2911



1.1337, 0.5376, 0.2735

Previews

White Background



This preview shows how the Yxy color 32.9971, 0.4389, 0.2808 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 32.9971, 0.4389, 0.2808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

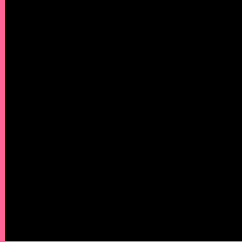
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.9971, 0.4389, 0.2808

Background



This preview shows how black text looks on a background with the Yxy color 32.9971, 0.4389, 0.2808.



This preview shows how white text looks on a background with the Yxy color 32.9971, 0.4389, 0.2808.

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

32.9971, 0.4389, 0.2808

Protanopia

33.3994, 0.2856, 0.2897

Deuteranopia

32.9403, 0.3447, 0.3377



Tritanopia

32.8937, 0.4783, 0.3226

Trichromacy



Original Color

32.9971, 0.4389, 0.2808

Protanomaly

31.3674, 0.3342, 0.2822

Deuteranomaly

31.7190, 0.3781, 0.3111

Tritanomaly

32.7757, 0.4643, 0.3067

Monochromacy



Original Color

32.9971, 0.4389, 0.2808

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

30.2643, 0.3565, 0.3046

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9971, 0.4389, 0.2808 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, 102, 151)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 151)  
}
```

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, 102, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 151) }
```

Border

The CSS property to change the border of an element to Yxy 32.9971, 0.4389, 0.2808 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, 102, 151) }
```

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

```
.border{ border-color:rgb(255, 102, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 102, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 151);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9971, 0.4389, 0.2808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 151) }
```

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

```
.background{ background-color: rgb(255,  
102, 151) }
```

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