

Converting Colors

$Y_{xy}(32.9714, 0.4400, 0.2816)$

Have a look what the booklet for
Yxy(32.9714, 0.4400, 0.2816)
contains.

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Color

Yxy(32.9648, 0.4403, 0.2818)

Conversions

Conversions Part 1

Format	Color
Hex	FF6696
RGB	255, 102, 150
RGB Percent	100%, 40%, 59%
CMY	0.0000, 0.6001, 0.4117
CMYK	0.00, 0.60, 0.41, 0.00
HSL	341°, 100%, 70%
HSV	341°, 60%, 100%
XYZ	51.5060, 32.9648, 32.5086
YIQ	153.2190, 75.7800, 47.3640

Conversions

Conversions Part 2

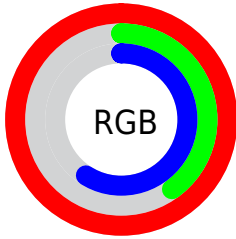
Format	Color
R _Y B	255, 102, 150
Decimal	16737942
CIE Lab	64.13, 62.24, 4.49
CIE LCh	64, 62.403, 4.123
Yxy	32.9648, 0.4403, 0.2818
Android (android.graphics.Color)	4294928022 (0xFFFF6696)
YUV	153.2190, -1.5870, 89.2619
Hunter-Lab	57.4150, 59.6532, 6.6203

Details

The Yxy color **32.9648, 0.4403, 0.2818** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **78.8465, 0.2588, 0.3888**, and the grayscale version is **31.9315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4159, 0.3617, 0.2826**, and **13.9561, 0.4826, 0.2663** is the 20% darker color. If you saturate the color by 10%, you get **28.1750, 0.4751, 0.2785**, and if you desaturate by 10%, it is **39.3710, 0.4089, 0.2879**.

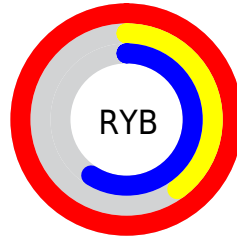
Distribution



Red (100%)

Green (40%)

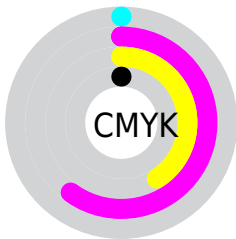
Blue (59%)



Red (100%)

Yellow (40%)

Blue (59%)

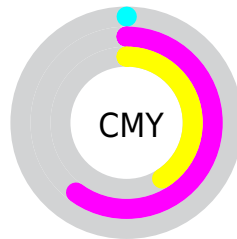


Cyan (0%)

Magenta (60%)

Yellow (41%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9648, 0.4403, 0.2818 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 32.9648, 0.4403, 0.2818 by changing the saturation by 10% instead.


 32.9648, 0.4403,
0.2818


 32.9648, 0.4403,
0.2818


315.4911, 0.3730,
0.3074

 22.0995, 0.4580,
0.2748


 64.3206, 0.4151,
0.2915


 13.9300, 0.4813,
0.2655


 85.5798, 0.4059,
0.2951

 8.0720, 0.5130,
0.2526

 111.0725, 0.3982,
0.2980

 4.1411, 0.5583,
0.2336

 141.1830, 0.3916,
0.3005

 1.7528, 0.6270,
0.2038

176.2957, 0.3860,
0.3026

 0.4575, 0.7967,
0.1449

216.7950, 0.3811,

 0.0000, 1.0000,

0.3044

0.0000

263.0654, 0.3768,
0.3060

■ 0.0000, 0.0000,
0.0000

■ 32.9648, 0.4403,
0.2818

■ 32.9648, 0.4403,
0.2818

■ 28.1750, 0.4751,
0.2785

■ 39.3710, 0.4089,
0.2879

■ 24.8640, 0.5114,
0.2793

■ 47.5376, 0.3818,
0.2957

■ 22.8488, 0.5461,
0.2850

■ 57.5786, 0.3591,
0.3042

■ 21.8400, 0.5762,
0.2948

■ 69.6014, 0.3404,
0.3128

■ 83.7055, 0.3252,
0.3212

99.9837, 0.3127,
0.3290

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.



32.9648, 0.3424, 0.2293



32.9648, 0.4403, 0.2818



32.9648, 0.4984, 0.3452

Triad

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



32.9648, 0.4403, 0.2818



32.9648, 0.3525, 0.5110



32.9648, 0.1557, 0.2096

Complementary

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



32.9648, 0.4403, 0.2818



78.8465, 0.2588, 0.3888

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.



32.9648, 0.1568, 0.2682



32.9648, 0.4403, 0.2818



32.9648, 0.2631, 0.4713

Square

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



32.9648, 0.4403, 0.2818



32.9648, 0.4363, 0.4774



32.9648, 0.1924, 0.3674



32.9648, 0.1860, 0.1883

Rectangle

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



32.9648, 0.4403, 0.2818



32.9648, 0.5016, 0.3902



32.9648, 0.1924, 0.3674



32.9648, 0.1525, 0.2245

Sweetspot

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



32.9606, 0.4403, 0.2818



72.2653, 0.3371, 0.3145



29.9176, 0.2748, 0.1698



14.6479, 0.3420, 0.3121



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.



32.9606, 0.4403, 0.2818



27.4035, 0.4823, 0.2783



38.1922, 0.4823, 0.3568



18.0810, 0.3245, 0.3216



11.4355, 0.5719, 0.2924



1.1322, 0.5399, 0.2748

Inverse Universe

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



32.9606, 0.4403, 0.2818



27.4035, 0.4823, 0.2783



64.9518, 0.2313, 0.2947



18.0810, 0.3245, 0.3216



11.4355, 0.5719, 0.2924



1.1322, 0.5399, 0.2748

Previews

White Background



This preview shows how the Yxy color 32.9648, 0.4403, 0.2818 looks on a white background.

Color Contrast Check

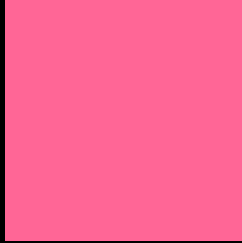
Large Text (above 18pt) WCAG AA × Fail

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 32.9648, 0.4403, 0.2818 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 32.9648, 0.4403, 0.2818

Background



This preview shows how black text looks on a background with the Yxy color 32.9648, 0.4403, 0.2818.



This preview shows how white text looks on a background with the Yxy color 32.9648, 0.4403, 0.2818.

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

32.9648, 0.4403, 0.2818

Protanopia

33.3582, 0.2864, 0.2911

Deuteranopia

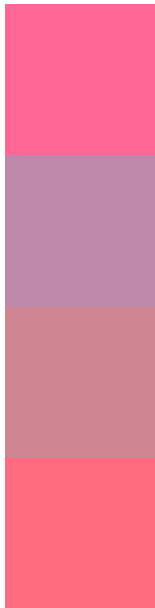
33.0260, 0.3468, 0.3392



Tritanopia

33.0809, 0.4792, 0.3226

Trichromacy



Original Color

32.9648, 0.4403, 0.2818

Protanomaly

31.3294, 0.3353, 0.2835

Deuteranomaly

31.8295, 0.3804, 0.3124

Tritanomaly

32.9374, 0.4665, 0.3078

Monochromacy



Original Color

32.9648, 0.4403, 0.2818

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 32.9648, 0.4403, 0.2818 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, 150)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 150)  
}
```

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, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 150) }
```

Border

The CSS property to change the border of an element to Yxy 32.9648, 0.4403, 0.2818 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, 150) }
```

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

```
.border{ border-color:rgb(255, 102, 150) }
```

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, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 150);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9648, 0.4403, 0.2818 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, 150) }
```

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

```
.background{ background-color: rgb(255,  
102, 150) }
```

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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