

Converting Colors

$Y_{xy}(32.8166, 0.4469, 0.2870)$

Have a look what the booklet for
Yxy(32.8166, 0.4469, 0.2870)
contains.

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Color

Yxy(32.8071, 0.4469, 0.2869)

Conversions

Conversions Part 1

Format	Color
Hex	FF6691
RGB	255, 102, 145
RGB Percent	100%, 40%, 57%
CMY	0.0000, 0.6000, 0.4312
CMYK	0.00, 0.60, 0.43, 0.00
HSL	343°, 100%, 70%
HSV	343°, 60%, 100%
XYZ	51.1031, 32.8071, 30.4400
YIQ	152.6490, 77.3850, 45.8090

Conversions

Conversions Part 2

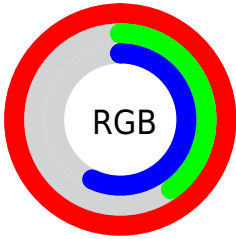
Format	Color
RYB	255, 102, 145
Decimal	16737937
CIELab	64.00, 61.73, 7.16
CIElCh	64, 62.142, 6.620
Yxy	32.8071, 0.4469, 0.2869
Android (android.graphics.Color)	4294928017 (0xFFFF6691)
YUV	152.6490, -3.7710, 89.7618
Hunter-Lab	57.2775, 59.0227, 8.5846

Details

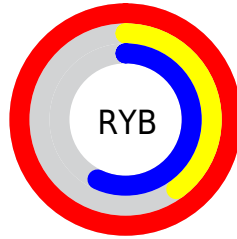
The Yxy color **32.8071, 0.4469, 0.2869** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **79.0946, 0.2567, 0.3822**, and the grayscale version is **31.6888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.1798, 0.3665, 0.2876**, and **13.8814, 0.4906, 0.2713** is the 20% darker color. If you saturate the color by 10%, you get **28.0230, 0.4836, 0.2843**, and if you desaturate by 10%, it is **39.2267, 0.4137, 0.2922**.

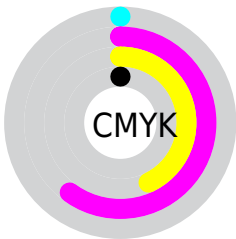
Distribution



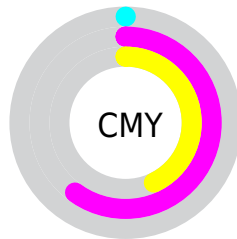
- Red (100%)
- Green (40%)
- Blue (57%)



- Red (100%)
- Yellow (40%)
- Blue (57%)



- Cyan (0%)
- Magenta (60%)
- Yellow (43%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8071, 0.4469, 0.2869 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 32.8071, 0.4469, 0.2869 by changing the saturation by 10% instead.


 32.8071, 0.4469,
0.2869


 32.8071, 0.4469,
0.2869


314.7796, 0.3760,
0.3103

 21.9787, 0.4657,
0.2803


 64.0742, 0.4203,
0.2960


 13.8413, 0.4903,
0.2714


 85.2818, 0.4105,
0.2992

 8.0103, 0.5238,
0.2589


 110.7179, 0.4024,
0.3019

 4.1016, 0.5716,
0.2402

 140.7668, 0.3955,
0.3041

 1.7305, 0.6437,
0.2101

175.8131, 0.3896,
0.3060

 0.4433, 0.8474,
0.1526

216.2410, 0.3844,

 0.0000, 1.0000,

0.3077

0.0000

262.4351, 0.3799,
0.3091

■ 0.0000, 0.0000,
0.0000

■ 32.8071, 0.4469,
0.2869

■ 32.8071, 0.4469,
0.2869

■ 28.0230, 0.4836,
0.2843

■ 39.2267, 0.4137,
0.2922

■ 24.7184, 0.5216,
0.2856

■ 47.4086, 0.3852,
0.2992

■ 22.7155, 0.5574,
0.2915

■ 57.4730, 0.3613,
0.3068

■ 21.7237, 0.5875,
0.3010

■ 69.5280, 0.3417,
0.3145

■ 21.7234, 0.5875,
0.3010

■ 83.6736, 0.3257,
0.3220

99.9992, 0.3127,
0.3290

Harmonies

Analogous

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



32.8071, 0.3509, 0.2332



32.8071, 0.4469, 0.2869



32.8071, 0.4999, 0.3507

Triad

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



32.8071, 0.4469, 0.2869



32.8071, 0.3449, 0.5104



32.8071, 0.1573, 0.2068

Complementary

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



32.8071, 0.4469, 0.2869



79.0946, 0.2567, 0.3822

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.



32.8071, 0.1558, 0.2619



32.8071, 0.4469, 0.2869



32.8071, 0.2563, 0.4639

Square

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



32.8071, 0.4469, 0.2869



32.8071, 0.4299, 0.4817



32.8071, 0.1883, 0.3580



32.8071, 0.1903, 0.1882

Rectangle

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



32.8071, 0.4469, 0.2869



32.8071, 0.4996, 0.3958



32.8071, 0.1883, 0.3580



32.8071, 0.1533, 0.2206

Sweetspot

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



32.8089, 0.4469, 0.2869



72.1844, 0.3382, 0.3160



30.6690, 0.2794, 0.1719



14.6284, 0.3433, 0.3138



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.



32.8089, 0.4469, 0.2869



27.2484, 0.4912, 0.2842



39.5900, 0.4784, 0.3620



18.0710, 0.3250, 0.3223



11.3731, 0.5834, 0.2987



1.1251, 0.5514, 0.2811

Inverse Universe

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



32.8089, 0.4469, 0.2869



27.2484, 0.4912, 0.2842



62.2071, 0.2299, 0.2882



18.0710, 0.3250, 0.3223



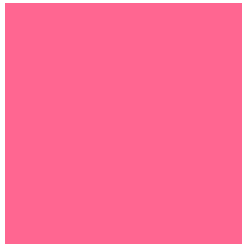
11.3731, 0.5834, 0.2987



1.1251, 0.5514, 0.2811

Previews

White Background



This preview shows how the Yxy color 32.8071, 0.4469, 0.2869 looks on a white background.

Color Contrast Check

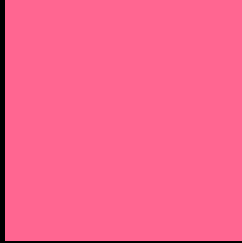
Large Text (above 18pt) WCAG AA × Fail

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 32.8071, 0.4469, 0.2869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

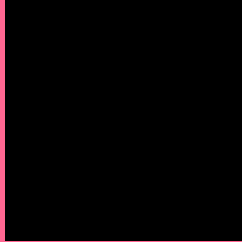
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.8071, 0.4469, 0.2869

Background



This preview shows how black text looks on a background with the Yxy color 32.8071, 0.4469, 0.2869.



This preview shows how white text looks on a background with the Yxy color 32.8071, 0.4469, 0.2869.

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

32.8071, 0.4469, 0.2869

Protanopia

32.8817, 0.2922, 0.2980

Deuteranopia

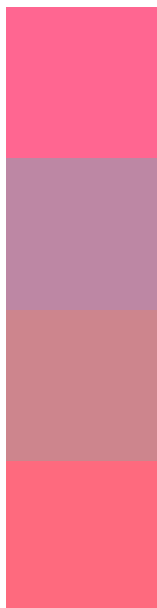
32.9948, 0.3530, 0.3464



Tritanopia

32.8456, 0.4810, 0.3227

Trichromacy



Original Color

32.8071, 0.4469, 0.2869

Protanomaly

30.8271, 0.3419, 0.2899

Deuteranomaly

31.6773, 0.3863, 0.3189

Tritanomaly

32.8853, 0.4691, 0.3098

Monochromacy



Original Color

32.8071, 0.4469, 0.2869

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

30.1994, 0.3588, 0.3072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8071, 0.4469, 0.2869 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, 145)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 145)  
}
```

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, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 145) }
```

Border

The CSS property to change the border of an element to Yxy 32.8071, 0.4469, 0.2869 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, 145) }
```

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

```
.border{ border-color:rgb(255, 102, 145) }
```

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, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 145);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8071, 0.4469, 0.2869 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, 145) }
```

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

```
.background{ background-color: rgb(255,  
102, 145) }
```

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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