

# Converting Colors

$Y_{xy}(32.9212, 0.4426, 0.2837)$

Have a look what the booklet for  
Yxy(32.9212, 0.4426, 0.2837)  
contains.

<b>Yxy(32.9009, 0.4429, 0.2839)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

**Color**

**Yxy(32.9009, 0.4429, 0.2839)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF6694
RGB	255, 102, 148
RGB Percent	100%, 40%, 58%
CMY	0.0001, 0.5998, 0.4196
CMYK	0.00, 0.60, 0.42, 0.00
HSL	342°, 100%, 70%
HSV	342°, 60%, 100%
XYZ	51.3273, 32.9009, 31.6609
YIQ	152.9910, 76.4220, 46.7420

# Conversions

## Conversions Part 2

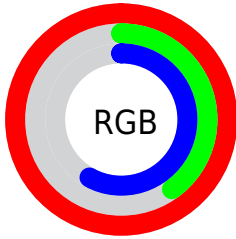
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">255, 102, 148</a>
Decimal	<a href="#">16737940</a>
CIELab	<a href="#">64.08, 61.99, 5.57</a>
CIELCh	<a href="#">64, 62.242, 5.134</a>
Yxy	<a href="#">32.9009, 0.4429, 0.2839</a>
Android (android.graphics.Color)	<a href="#">4294928020</a> ( <a href="#">0xFFFF6694</a> )
YUV	<a href="#">152.9910, -2.4606, 89.4619</a>
Hunter-Lab	<a href="#">57.3593, 59.3497, 7.4249</a>

# Details

The Yxy color **32.9009, 0.4429, 0.2839** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **78.9296, 0.2580, 0.3860**, and the grayscale version is **31.8430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.3205, 0.3636, 0.2846**, and **13.9371, 0.4846, 0.2675** is the 20% darker color. If you saturate the color by 10%, you get **28.1140, 0.4785, 0.2809**, and if you desaturate by 10%, it is **39.3189, 0.4108, 0.2897**.

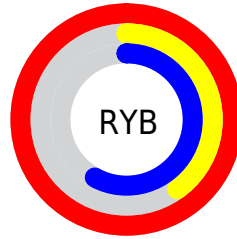
# Distribution



Red (100%)

Green (40%)

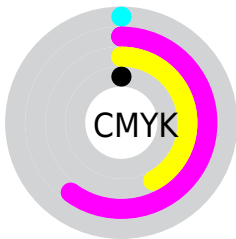
Blue (58%)



Red (100%)

Yellow (40%)

Blue (58%)

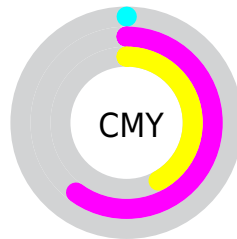


Cyan (0%)

Magenta (60%)

Yellow (42%)

Black (0%)



Cyan (0%)

Magenta (60%)


Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 32.9009, 0.4429, 0.2839 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 32.9009, 0.4429, 0.2839 by changing the saturation by 10% instead.





 32.9009, 0.4429,  
0.2839


 32.9009, 0.4429,  
0.2839


315.2029, 0.3742,  
0.3086


 22.0505, 0.4611,  
0.2771


 64.2208, 0.4172,  
0.2934


 13.8940, 0.4849,  
0.2680


 85.4591, 0.4077,  
0.2968

 8.0470, 0.5173,  
0.2552


 110.9288, 0.3998,  
0.2996

 4.1250, 0.5636,  
0.2364

 141.0144, 0.3931,  
0.3020

 1.7438, 0.6337,  
0.2064

176.1002, 0.3874,  
0.3040

 0.4517, 0.8181,  
0.1483

216.5706, 0.3824,

 0.0000, 1.0000,

0.3057


0.0000


262.8101, 0.3780,  
0.3073

 0.0000, 0.0000,  
0.0000

 32.9009, 0.4429,  
0.2839

 32.9009, 0.4429,  
0.2839

 28.1140, 0.4785,  
0.2809


 39.3189, 0.4108,  
0.2897


 24.8027, 0.5155,  
0.2819


 47.4944, 0.3831,  
0.2971

 22.7897, 0.5507,  
0.2877

 57.5472, 0.3600,  
0.3053

 21.7858, 0.5809,  
0.2974

 69.5851, 0.3409,  
0.3135

 21.7840, 0.5809,  
0.2974

 83.7077, 0.3253,  
0.3215

99.9936, 0.3127,  
0.3290

# Harmonies

## Analogous

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



32.9009, 0.3458, 0.2309



32.9009, 0.4429, 0.2839



32.9009, 0.4989, 0.3474

# Triad

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



32.9009, 0.4429, 0.2839



32.9009, 0.3494, 0.5107



32.9009, 0.1564, 0.2085

# Complementary

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



32.9009, 0.4429, 0.2839



78.9296, 0.2580, 0.3860

# 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.



32.9009, 0.1565, 0.2657



32.9009, 0.4429, 0.2839



32.9009, 0.2604, 0.4682

# Square

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



32.9009, 0.4429, 0.2839



32.9009, 0.4337, 0.4791



32.9009, 0.1908, 0.3635



32.9009, 0.1878, 0.1883



# Rectangle

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



32.9009, 0.4429, 0.2839



32.9009, 0.5007, 0.3924



32.9009, 0.1908, 0.3635



32.9009, 0.1529, 0.2230

# Sweetspot

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



32.9027, 0.4429, 0.2839



72.2320, 0.3376, 0.3151



29.9281, 0.2748, 0.1699



14.6398, 0.3425, 0.3128



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.



32.9027, 0.4429, 0.2839



27.3387, 0.4860, 0.2808



38.1998, 0.4822, 0.3568



18.0769, 0.3247, 0.3219



11.4090, 0.5767, 0.2950



1.1292, 0.5447, 0.2774



# Inverse Universe

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



32.9027, 0.4429, 0.2839



27.3387, 0.4860, 0.2808



64.9450, 0.2314, 0.2947



18.0769, 0.3247, 0.3219



11.4090, 0.5767, 0.2950



1.1292, 0.5447, 0.2774



# Previews

## White Background



This preview shows how the Yxy color 32.9009, 0.4429, 0.2839 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 32.9009, 0.4429, 0.2839 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 32.9009, 0.4429, 0.2839**

## Background



This preview shows how black text looks on a background with the Yxy color 32.9009, 0.4429, 0.2839.



This preview shows how white text looks on a background with the Yxy color 32.9009, 0.4429, 0.2839.

# 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

32.9009, 0.4429, 0.2839

### Protanopia

33.0010, 0.2897, 0.2938

### Deuteranopia

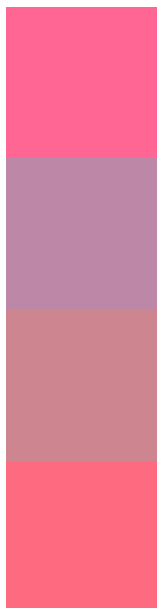
32.9659, 0.3488, 0.3421



## Tritanopia

32.8687, 0.4798, 0.3217

# Trichromacy



## Original Color

32.9009, 0.4429, 0.2839

## Protanomaly

30.9368, 0.3386, 0.2860

## Deuteranomaly

31.7678, 0.3827, 0.3150

## Tritanomaly

32.9374, 0.4665, 0.3078

# Monochromacy



## Original Color

32.9009, 0.4429, 0.2839

## Achromatopsia

31.8547, 0.3127, 0.3290

## Achromatomaly

30.2317, 0.3577, 0.3059

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 32.9009, 0.4429, 0.2839 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, 148)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 148)  
}
```

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, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 148) }
```

## Border

The CSS property to change the border of an element to Yxy 32.9009, 0.4429, 0.2839 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, 148) }
```

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

```
.border{ border-color:rgb(255, 102, 148) }
```

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, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 148);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
148) }
```



# Background

The CSS property to change the background color of an element to Yxy 32.9009, 0.4429, 0.2839 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, 148) }
```

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

```
.background{ background-color: rgb(255,  
102, 148) }
```

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