

# Converting Colors

$Y_{xy}(29.3207, 0.4368, 0.2551)$

Have a look what the booklet for  
Yxy(29.3207, 0.4368, 0.2551)  
contains.

<b>Yxy(29.3206, 0.4370, 0.2552)</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(29.3206, 0.4370, 0.2552)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF4F9E
RGB	255, 79, 158
RGB Percent	100%, 31%, 62%
CMY	0.0000, 0.6902, 0.3804
CMYK	0.00, 0.69, 0.38, 0.00
HSL	333°, 100%, 65%
HSV	333°, 69%, 100%
XYZ	50.2081, 29.3206, 35.3640
YIQ	140.6300, 79.5370, 61.8810

# Conversions

## Conversions Part 2

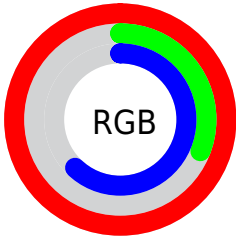
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 79, 158
Decimal	16732062
CIE <sub>Lab</sub>	61.06, 72.02, -4.61
CIE <sub>LCh</sub>	61, 72.163, 356.338
Yxy	29.3206, 0.4370, 0.2552
Android (android.graphics.Color)	4294922142 (0xFFFF4F9E)
YUV	140.6300, 8.5634, 100.3025
Hunter-Lab	54.1485, 70.7506, -0.8179

# Details

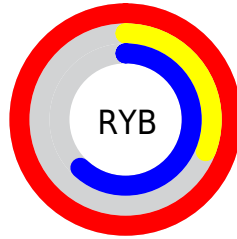
The Yxy color **29.3206, 0.4370, 0.2552** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **76.3173, 0.2653, 0.4324**, and the grayscale version is **26.4283, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.5293, 0.3565, 0.2541**, and **12.3990, 0.4735, 0.2382** is the 20% darker color. If you saturate the color by 10%, you get **25.8651, 0.4650, 0.2529**, and if you desaturate by 10%, it is **34.2443, 0.4106, 0.2618**.

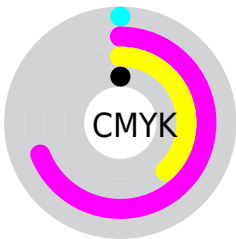
# Distribution



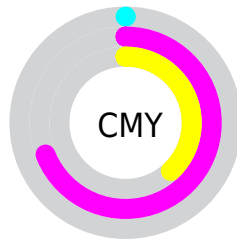
- Red (100%)
- Green (31%)
- Blue (62%)



- Red (100%)
- Yellow (31%)
- Blue (62%)



- Cyan (0%)
- Magenta (69%)
- Yellow (38%)
- Black (0%)



- Cyan (0%)
- Magenta (69%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.3206, 0.4370, 0.2552 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 29.3206, 0.4370, 0.2552 by changing the saturation by 10% instead.





 29.3206, 0.4370,  
0.2552


 29.3206, 0.4370,  
0.2552


298.7246, 0.3713,  
0.2935

 19.3235, 0.4544,  
0.2453


 58.5861, 0.4124,  
0.2694

 11.9043, 0.4773,  
0.2324


 78.6232, 0.4033,  
0.2747

 6.6785, 0.5085,  
0.2151


 102.7758, 0.3958,  
0.2791

 3.2619, 0.5534,  
0.1907

 131.4283, 0.3894,  
0.2828

 1.2699, 0.6219,  
0.1547

164.9650, 0.3839,  
0.2860

 0.1177, 0.8050,  
0.0404

203.7704, 0.3792,

 0.0000, 1.0000,

0.2889

0.0000

248.2288, 0.3750,  
0.2913

■ 0.0000, 0.0000,  
0.0000

■ 29.3206, 0.4370,  
0.2552

■ 29.3206, 0.4370,  
0.2552

■ 25.8651, 0.4650,  
0.2529

■ 34.2443, 0.4106,  
0.2618

■ 23.7000, 0.4931,  
0.2559

■ 40.7777, 0.3868,  
0.2715


■ 22.5718, 0.5196,  
0.2641

■ 49.0505, 0.3661,  
0.2829

■ 22.4855, 0.5221,  
0.2650

■ 59.1778, 0.3486,  
0.2950

■ 71.2649, 0.3339,  
0.3072

 85.4089, 0.3218,  
0.3189

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.



29.3206, 0.3153, 0.2015



29.3206, 0.4370, 0.2552



29.3206, 0.5233, 0.3229

# Triad

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



29.3206, 0.4370, 0.2552



29.3206, 0.3794, 0.5410



29.3206, 0.1299, 0.2008

# Complementary

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



29.3206, 0.4370, 0.2552



76.3173, 0.2653, 0.4324

# 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.



29.3206, 0.1388, 0.2795



29.3206, 0.4370, 0.2552



29.3206, 0.2758, 0.5279

# Square

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



29.3206, 0.4370, 0.2552



29.3206, 0.4728, 0.4773



29.3206, 0.1874, 0.4105



29.3206, 0.1544, 0.1694



# Rectangle

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



29.3206, 0.4370, 0.2552



29.3206, 0.5375, 0.3719



29.3206, 0.1874, 0.4105



29.3206, 0.1290, 0.2209

# Sweetspot

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



29.3221, 0.4370, 0.2552



68.7063, 0.3366, 0.3048



22.0206, 0.2457, 0.1398



13.9723, 0.3405, 0.3014



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.



29.3221, 0.4370, 0.2552



24.8586, 0.4763, 0.2534



28.7727, 0.5400, 0.3368



18.1226, 0.3223, 0.3184



11.7782, 0.5181, 0.2628



1.1684, 0.4900, 0.2473



# Inverse Universe

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



29.3221, 0.4370, 0.2552



24.8586, 0.4763, 0.2534



74.9162, 0.2306, 0.3182



18.1226, 0.3223, 0.3184



11.7782, 0.5181, 0.2628

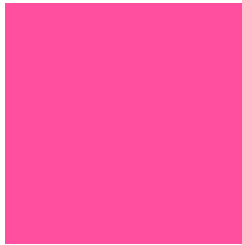


1.1684, 0.4900, 0.2473



# Previews

## White Background



This preview shows how the Yxy color 29.3206, 0.4370, 0.2552 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

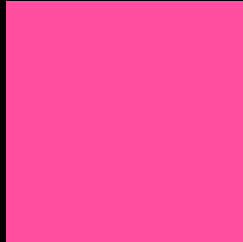
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 29.3206, 0.4370, 0.2552 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 × Fail

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

**Yxy 29.3206, 0.4370, 0.2552**

## Background



This preview shows how black text looks on a background with the Yxy color 29.3206, 0.4370, 0.2552.



This preview shows how white text looks on a background with the Yxy color 29.3206, 0.4370, 0.2552.

# 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

29.3206, 0.4370, 0.2552

### Protanopia

29.6803, 0.2541, 0.2486

### Deuteranopia

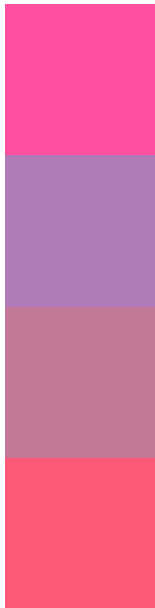
29.3919, 0.3260, 0.3199



## Tritanopia

29.2388, 0.5093, 0.3241

# Trichromacy



## Original Color

29.3206, 0.4370, 0.2552

## Protanomaly

26.7690, 0.3080, 0.2436

## Deuteranomaly

27.3020, 0.3660, 0.2864

## Tritanomaly

29.0310, 0.4850, 0.2994

# Monochromacy



## Original Color

29.3206, 0.4370, 0.2552

## Achromatopsia

26.6356, 0.3127, 0.3290

## Achromatomaly

25.0085, 0.3574, 0.2880

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.3206, 0.4370, 0.2552 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, 79, 158)` looks like.

```
.text, #text, p{  
    color:rgb(255, 79, 158)  
}
```

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, 79, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 79, 158) }
```

## Border

The CSS property to change the border of an element to Yxy 29.3206, 0.4370, 0.2552 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, 79, 158) }
```

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

```
.border{ border-color:rgb(255, 79, 158) }
```

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

Here you see how a box with a 4 pixel rgb(255, 79, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 79, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 79, 158);  
box-shadow:4px 4px 4px 4px rgb(255, 79,  
158) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.3206, 0.4370, 0.2552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 79, 158) }
```

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

```
.background{ background-color: rgb(255, 79,  
158) }
```

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