

# Converting Colors

Yxy(55.6549, 0.5027, 0.2838)

Have a look what the booklet for  
Yxy(55.6549, 0.5027, 0.2838)  
contains.

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**Color**

**Yxy(31.7043, 0.4208, 0.2563)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF5CA7
RGB	255, 92, 167
RGB Percent	100%, 36%, 65%
CMY	0.0000, 0.6393, 0.3450
CMYK	0.00, 0.64, 0.35, 0.00
HSL	332°, 100%, 68%
HSV	332°, 64%, 100%
XYZ	52.0529, 31.7043, 39.9427
YIQ	149.2870, 73.0730, 57.8810

# Conversions

## Conversions Part 2

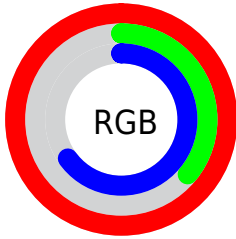
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 92, 167
Decimal	16735399
CIE Lab	63.10, 68.14, -6.80
CIE LCh	63, 68.477, 354.304
Yxy	31.7043, 0.4208, 0.2563
Android (android.graphics.Color)	4294925479 (0xFFFF5CA7)
YUV	149.2870, 8.7325, 92.7103
Hunter-Lab	56.3066, 66.4789, -2.6445

# Details

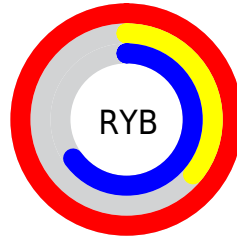
The Yxy color **31.7043, 0.4208, 0.2563** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **77.0870, 0.2675, 0.4260**, and the grayscale version is **30.1131, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.3466, 0.3463, 0.2562**, and **13.2435, 0.4551, 0.2353** is the 20% darker color. If you saturate the color by 10%, you get **27.5196, 0.4474, 0.2514**, and if you desaturate by 10%, it is **37.4189, 0.3962, 0.2649**.

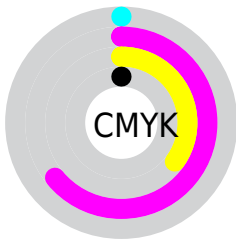
# Distribution



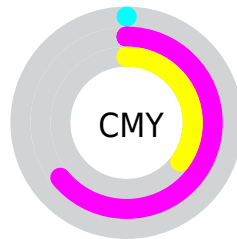
- Red (100%)
- Green (36%)
- Blue (65%)



- Red (100%)
- Yellow (36%)
- Blue (65%)



- Cyan (0%)
- Magenta (64%)
- Yellow (35%)
- Black (0%)



- Cyan (0%)
- Magenta (64%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 31.7043, 0.4208, 0.2563 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 31.7043, 0.4208, 0.2563 by changing the saturation by 10% instead.




 31.7043, 0.4208,  
0.2563


 31.7043, 0.4208,  
0.2563

309.7700, 0.3645,  
0.2933

 21.1357, 0.4355,  
0.2469


 62.3472, 0.3999,  
0.2699

 13.2233, 0.4546,  
0.2349


 83.1904, 0.3921,  
0.2749

 7.5825, 0.4807,  
0.2189


 108.2272, 0.3857,  
0.2792

 3.8290, 0.5177,  
0.1967

 137.8421, 0.3802,  
0.2828

 1.5784, 0.5739,  
0.1643

172.4194, 0.3754,  
0.2860

 0.3429, 0.6849,  
0.0907

212.3436, 0.3713,

 0.0000, 1.0000,

0.2887

0.0000

257.9990, 0.3677,  
0.2912

0.0000, 0.0000,  
0.0000

31.7043, 0.4208,  
0.2563

31.7043, 0.4208,  
0.2563

27.5196, 0.4474,  
0.2514

37.4189, 0.3962,  
0.2649

24.7221, 0.4750,  
0.2513

44.8145, 0.3746,  
0.2758

23.1144, 0.5018,  
0.2568

54.0071, 0.3559,  
0.2880

22.5534, 0.5172,  
0.2623

65.1064, 0.3403,  
0.3005

78.2133, 0.3272,  
0.3128

 93.4214, 0.3164,  
0.3246

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.



31.7043, 0.3084, 0.2062



31.7043, 0.4208, 0.2563



31.7043, 0.5048, 0.3208

# Triad

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



31.7043, 0.4208, 0.2563



31.7043, 0.3847, 0.5243



31.7043, 0.1394, 0.2131

# Complementary

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



31.7043, 0.4208, 0.2563



77.0870, 0.2675, 0.4260

# 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.



31.7043, 0.1510, 0.2914



31.7043, 0.4208, 0.2563



31.7043, 0.2869, 0.5150

# Square

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



31.7043, 0.4208, 0.2563



31.7043, 0.4702, 0.4662



31.7043, 0.2011, 0.4131



31.7043, 0.1607, 0.1796



# Rectangle

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



31.7043, 0.4208, 0.2563



31.7043, 0.5228, 0.3676



31.7043, 0.2011, 0.4131



31.7043, 0.1394, 0.2336

# Sweetspot

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



31.6993, 0.4208, 0.2563



71.3168, 0.3335, 0.3066



24.4426, 0.2495, 0.1508



14.4813, 0.3373, 0.3031



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.



31.6993, 0.4208, 0.2563



26.5231, 0.4559, 0.2508



30.6560, 0.5180, 0.3344



18.1262, 0.3222, 0.3181



11.8140, 0.5133, 0.2601



1.1721, 0.4857, 0.2449



# Inverse Universe

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



31.6993, 0.4208, 0.2563



26.5231, 0.4559, 0.2508



77.5952, 0.2348, 0.3224



18.1262, 0.3222, 0.3181



11.8140, 0.5133, 0.2601



1.1721, 0.4857, 0.2449



# Previews

## White Background



This preview shows how the Yxy color 31.7043, 0.4208, 0.2563 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

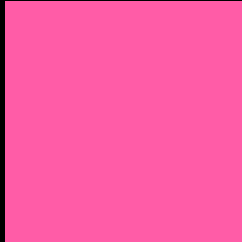
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 31.7043, 0.4208, 0.2563 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

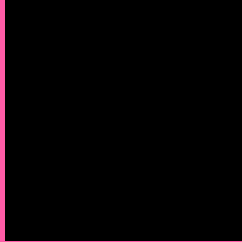
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 31.7043, 0.4208, 0.2563**

## Background



This preview shows how black text looks on a background with the Yxy color 31.7043, 0.4208, 0.2563.



This preview shows how white text looks on a background with the Yxy color 31.7043, 0.4208, 0.2563.

# 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

31.7043, 0.4208, 0.2563

### Protanopia

31.9078, 0.2556, 0.2507

### Deuteranopia

31.6823, 0.3196, 0.3129



## Tritanopia

31.7601, 0.4862, 0.3237

# Trichromacy



## Original Color

31.7043, 0.4208, 0.2563



## Protanomaly

29.4743, 0.3041, 0.2468



## Deuteranomaly

30.0527, 0.3554, 0.2846



## Tritanomaly

31.4485, 0.4638, 0.2989

# Monochromacy



## Original Color

31.7043, 0.4208, 0.2563



## Achromatopsia

30.0544, 0.3127, 0.3290



## Achromatomaly

28.5300, 0.3511, 0.2907

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 31.7043, 0.4208, 0.2563 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, 92, 167)` looks like.

```
.text, #text, p{  
    color:rgb(255, 92, 167)  
}
```

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, 92, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 92, 167) }
```

## Border

The CSS property to change the border of an element to Yxy 31.7043, 0.4208, 0.2563 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, 92, 167) }
```

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

```
.border{ border-color:rgb(255, 92, 167) }
```

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

Here you see how a box with a 4 pixel rgb(255, 92, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 92, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 92, 167);  
box-shadow:4px 4px 4px 4px rgb(255, 92,  
167) }
```



# Background

The CSS property to change the background color of an element to Yxy 31.7043, 0.4208, 0.2563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 92, 167) }
```

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

```
.background{ background-color: rgb(255, 92,  
167) }
```

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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