

Converting Colors

$Y_{xy}(51.4971, 0.4855, 0.2754)$

Have a look what the booklet for
Yxy(51.4971, 0.4855, 0.2754)
contains.

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Color

Yxy(31.7593, 0.4130, 0.2497)

Conversions

Conversions Part 1

Format	Color
Hex	FF5BAD
RGB	255, 91, 173
RGB Percent	100%, 36%, 68%
CMY	0.0000, 0.6432, 0.3215
CMYK	0.00, 0.64, 0.32, 0.00
HSL	330°, 100%, 68%
HSV	330°, 64%, 100%
XYZ	52.5294, 31.7593, 42.9011
YIQ	149.3840, 71.4220, 60.2700

Conversions

Conversions Part 2

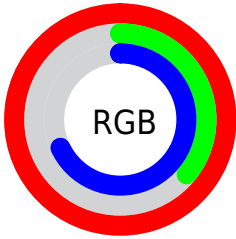
Format	Color
R _{YB}	255, 91, 173
Decimal	16735149
CIE Lab	63.14, 69.19, -10.17
CIE LCh	63, 69.930, 351.639
Yxy	31.7593, 0.4130, 0.2497
Android (android.graphics.Color)	4294925229 (0xFFFF5BAD)
YUV	149.3840, 11.6427, 92.6252
Hunter-Lab	56.3554, 67.7596, -5.6864

Details

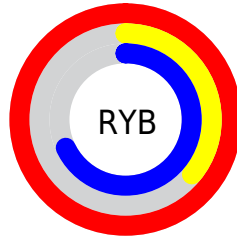
The Yxy color **31.7593, 0.4130, 0.2497** is a light color, and the websafe version is hex **FF3399**. The color can be described as light muted rose. A complement of this color would be **76.7598, 0.2702, 0.4356**, and the grayscale version is **30.1491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.6741, 0.3407, 0.2507**, and **13.2507, 0.4432, 0.2268** is the 20% darker color. If you saturate the color by 10%, you get **27.6441, 0.4372, 0.2440**, and if you desaturate by 10%, it is **37.3984, 0.3906, 0.2591**.

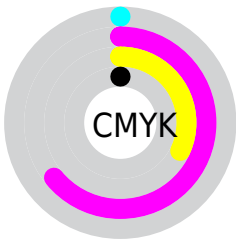
Distribution



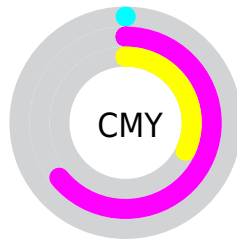
- Red (100%)
- Green (36%)
- Blue (68%)



- Red (100%)
- Yellow (36%)
- Blue (68%)



- Cyan (0%)
- Magenta (64%)
- Yellow (32%)
- Black (0%)





- Cyan (0%)
- Magenta (64%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7593, 0.4130, 0.2497 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 31.7593, 0.4130, 0.2497 by changing the saturation by 10% instead.

 31.7593, 0.4130,
0.2497


 31.7593, 0.4130,
0.2497


310.0213, 0.3612,
0.2895


 21.1777, 0.4264,
0.2398


 62.4336, 0.3938,
0.2641


 13.2540, 0.4438,
0.2272


 83.2950, 0.3867,
0.2696

 7.6037, 0.4673,
0.2106


 108.3519, 0.3807,
0.2742

 3.8424, 0.5006,
0.1878

 137.9886, 0.3757,
0.2781

 1.5858, 0.5506,
0.1553

172.5895, 0.3713,
0.2815

 0.3480, 0.6478,
0.0849

212.5390, 0.3675,

 0.0000, 1.0000,

0.2845

0.0000

258.2215, 0.3641,
0.2872

■ 0.0000, 0.0000,
0.0000

■ 31.7593, 0.4130,
0.2497

■ 31.7593, 0.4130,
0.2497

■ 27.6441, 0.4372,
0.2440

■ 37.3984, 0.3906,
0.2591

■ 24.8995, 0.4623,
0.2433

■ 44.7029, 0.3707,
0.2709

■ 23.3301, 0.4867,
0.2481

■ 53.7924, 0.3535,
0.2840

■ 22.8060, 0.5001,
0.2529

■ 64.7764, 0.3389,
0.2976

■ 77.7559, 0.3267,
0.3109

 92.8246, 0.3165,
0.3237

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.



31.7593, 0.2985, 0.2008



31.7593, 0.4130, 0.2497



31.7593, 0.5036, 0.3140

Triad

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



31.7593, 0.4130, 0.2497



31.7593, 0.3937, 0.5243



31.7593, 0.1364, 0.2159

Complementary

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



31.7593, 0.4130, 0.2497



76.7598, 0.2702, 0.4356

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.



31.7593, 0.1512, 0.2999



31.7593, 0.4130, 0.2497



31.7593, 0.2946, 0.5243

Square

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



31.7593, 0.4130, 0.2497



31.7593, 0.4787, 0.4612



31.7593, 0.2054, 0.4265



31.7593, 0.1551, 0.1787

Rectangle

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



31.7593, 0.4130, 0.2497



31.7593, 0.5262, 0.3610



31.7593, 0.2054, 0.4265



31.7593, 0.1374, 0.2381

Sweetspot

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



31.7576, 0.4130, 0.2497



71.4250, 0.3321, 0.3047



23.2752, 0.2420, 0.1466



14.5073, 0.3357, 0.3009



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.



31.7576, 0.4130, 0.2497



26.7810, 0.4439, 0.2433



29.5433, 0.5205, 0.3272



18.1386, 0.3215, 0.3172



11.9468, 0.4964, 0.2508



1.1853, 0.4710, 0.2368

Inverse Universe

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



31.7576, 0.4130, 0.2497



26.7810, 0.4439, 0.2433



80.7887, 0.2371, 0.3320



18.1386, 0.3215, 0.3172



11.9468, 0.4964, 0.2508



1.1853, 0.4710, 0.2368

Previews

White Background



This preview shows how the Yxy color 31.7593, 0.4130, 0.2497 looks on a white background.

Color Contrast Check

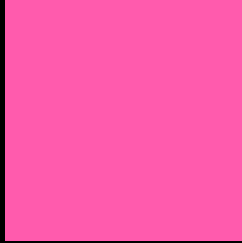
Large Text (above 18pt) WCAG AA × Fail

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 31.7593, 0.4130, 0.2497 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 31.7593, 0.4130, 0.2497

Background



This preview shows how black text looks on a background with the Yxy color 31.7593, 0.4130, 0.2497.



This preview shows how white text looks on a background with the Yxy color 31.7593, 0.4130, 0.2497.

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

31.7593, 0.4130, 0.2497

Protanopia

32.0566, 0.2481, 0.2407

Deuteranopia

31.9980, 0.3118, 0.3056



Tritanopia

31.5970, 0.4840, 0.3227

Trichromacy



Original Color

31.7593, 0.4130, 0.2497



Protanomaly

29.2890, 0.2955, 0.2370



Deuteranomaly

30.0013, 0.3464, 0.2767



Tritanomaly

31.5310, 0.4597, 0.2958

Monochromacy



Original Color

31.7593, 0.4130, 0.2497



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

28.5983, 0.3488, 0.2881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7593, 0.4130, 0.2497 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, 91, 173)` looks like.

```
.text, #text, p{  
    color:rgb(255, 91, 173)  
}
```

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, 91, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 91, 173) }
```

Border

The CSS property to change the border of an element to Yxy 31.7593, 0.4130, 0.2497 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, 91, 173) }
```

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

```
.border{ border-color:rgb(255, 91, 173) }
```

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

Here you see how a box with a 4 pixel rgb(255, 91, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 91, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 91, 173);  
box-shadow:4px 4px 4px 4px rgb(255, 91,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7593, 0.4130, 0.2497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 91, 173) }
```

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

```
.background{ background-color: rgb(255, 91,  
173) }
```

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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