

Converting Colors

$Y_{xy}(49.7064, 0.4791, 0.2732)$

Have a look what the booklet for
Yxy(49.7064, 0.4791, 0.2732)
contains.

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Color

Yxy(31.9703, 0.4114, 0.2495)

Conversions

Conversions Part 1

Format	Color
Hex	FF5CAE
RGB	255, 92, 174
RGB Percent	100%, 36%, 68%
CMY	0.0000, 0.6393, 0.3175
CMYK	0.00, 0.64, 0.32, 0.00
HSL	330°, 100%, 68%
HSV	330°, 64%, 100%
XYZ	52.7158, 31.9703, 43.4514
YIQ	150.0850, 70.8260, 60.0580

Conversions

Conversions Part 2

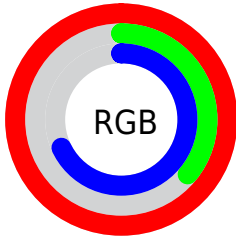
Format	Color
R _{YB}	255, 92, 174
Decimal	16735406
CIE Lab	63.32, 68.92, -10.49
CIE LCh	63, 69.711, 351.345
Yxy	31.9703, 0.4114, 0.2495
Android (android.graphics.Color)	4294925486 (0xFFFF5CAE)
YUV	150.0850, 11.7901, 92.0105
Hunter-Lab	56.5423, 67.4709, -5.9834

Details

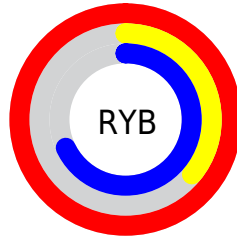
The Yxy color **31.9703, 0.4114, 0.2495** is a light color, and the websafe version is hex **FF3399**. The color can be described as light muted rose. A complement of this color would be **76.8093, 0.2706, 0.4356**, and the grayscale version is **30.4585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7298, 0.3398, 0.2498**, and **13.3748, 0.4408, 0.2267** is the 20% darker color. If you saturate the color by 10%, you get **27.7985, 0.4354, 0.2436**, and if you desaturate by 10%, it is **37.6689, 0.3892, 0.2591**.

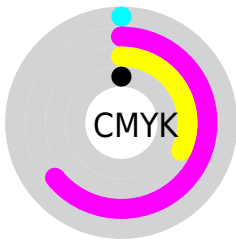
Distribution



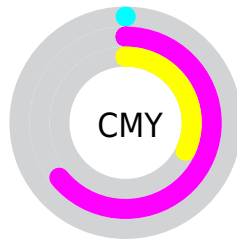
- Red (100%)
- Green (36%)
- Blue (68%)



- 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 31.9703, 0.4114, 0.2495 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 31.9703, 0.4114, 0.2495 by changing the saturation by 10% instead.


 31.9703, 0.4114,
0.2495


 31.9703, 0.4114,
0.2495


310.9839, 0.3605,
0.2893


 21.3388, 0.4245,
0.2396


 62.7645, 0.3926,
0.2639


 13.3719, 0.4416,
0.2271

 83.6961, 0.3856,
0.2694

 7.6851, 0.4646,
0.2105


 108.8297, 0.3797,
0.2740

 3.8941, 0.4971,
0.1879

 138.5499, 0.3747,
0.2779

 1.6145, 0.5460,
0.1556

173.2411, 0.3704,
0.2813

 0.3674, 0.6395,
0.0877

213.2875, 0.3667,

 0.0000, 1.0000,

0.2843

0.0000

259.0737, 0.3634,
0.2870

0.0000, 0.0000,
0.0000

31.9703, 0.4114,
0.2495

31.9703, 0.4114,
0.2495

27.7985, 0.4354,
0.2436

37.6689, 0.3892,
0.2591

25.0046, 0.4602,
0.2426

45.0384, 0.3696,
0.2711


23.3938, 0.4845,
0.2471

54.1966, 0.3526,
0.2843

22.8276, 0.4987,
0.2521

65.2529, 0.3382,
0.2979

78.3078, 0.3261,
0.3113

 93.4546, 0.3162,
0.3242

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.



31.9703, 0.2976, 0.2010



31.9703, 0.4114, 0.2495



31.9703, 0.5021, 0.3135

Triad

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



31.9703, 0.4114, 0.2495



31.9703, 0.3945, 0.5230



31.9703, 0.1371, 0.2171

Complementary

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



31.9703, 0.4114, 0.2495



76.8093, 0.2706, 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.



31.9703, 0.1522, 0.3012



31.9703, 0.4114, 0.2495



31.9703, 0.2958, 0.5236

Square

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



31.9703, 0.4114, 0.2495



31.9703, 0.4788, 0.4601



31.9703, 0.2067, 0.4272



31.9703, 0.1554, 0.1795

Rectangle

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



31.9703, 0.4114, 0.2495



31.9703, 0.5251, 0.3604



31.9703, 0.2067, 0.4272



31.9703, 0.1382, 0.2393

Sweetspot

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



31.9675, 0.4114, 0.2495



71.4338, 0.3320, 0.3046



23.5027, 0.2425, 0.1476



14.5094, 0.3355, 0.3007



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.



31.9675, 0.4114, 0.2495



26.8027, 0.4430, 0.2427



29.7310, 0.5186, 0.3272



18.1396, 0.3215, 0.3171



11.9581, 0.4950, 0.2501



1.1864, 0.4698, 0.2362

Inverse Universe

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



31.9675, 0.4114, 0.2495



26.8027, 0.4430, 0.2427



80.8404, 0.2373, 0.3320



18.1396, 0.3215, 0.3171



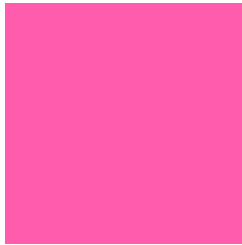
11.9581, 0.4950, 0.2501



1.1864, 0.4698, 0.2362

Previews

White Background



This preview shows how the Yxy color 31.9703, 0.4114, 0.2495 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 31.9703, 0.4114, 0.2495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

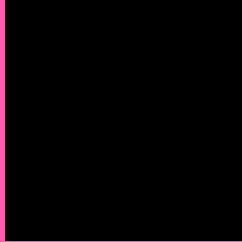
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9703, 0.4114, 0.2495

Background



This preview shows how black text looks on a background with the Yxy color 31.9703, 0.4114, 0.2495.



This preview shows how white text looks on a background with the Yxy color 31.9703, 0.4114, 0.2495.

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

31.9703, 0.4114, 0.2495

Protanopia

32.1078, 0.2475, 0.2396

Deuteranopia

32.0346, 0.3109, 0.3042



Tritanopia

31.8243, 0.4821, 0.3226

Trichromacy



Original Color

31.9703, 0.4114, 0.2495



Protanomaly

29.6004, 0.2946, 0.2372



Deuteranomaly

30.0387, 0.3453, 0.2755



Tritanomaly

31.7521, 0.4579, 0.2957

Monochromacy



Original Color

31.9703, 0.4114, 0.2495



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

28.8951, 0.3475, 0.2881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9703, 0.4114, 0.2495 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, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 92, 174)  
}
```

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, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 92, 174) }
```

Border

The CSS property to change the border of an element to Yxy 31.9703, 0.4114, 0.2495 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, 174) }
```

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

```
.border{ border-color:rgb(255, 92, 174) }
```

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, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 92, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 92, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 92,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9703, 0.4114, 0.2495 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, 174) }
```

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

```
.background{ background-color: rgb(255, 92,  
174) }
```

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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