

Converting Colors

$Y_{xy}(42.4521, 0.5016, 0.3020)$

Have a look what the booklet for
Yxy(42.4521, 0.5016, 0.3020)
contains.

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Color

Yxy(31.9613, 0.4604, 0.2934)

Conversions

Conversions Part 1

Format	Color
Hex	FF6388
RGB	255, 99, 136
RGB Percent	100%, 39%, 53%
CMY	0.0000, 0.6118, 0.4667
CMYK	0.00, 0.61, 0.47, 0.00
HSL	346°, 100%, 69%
HSV	346°, 61%, 100%
XYZ	50.1533, 31.9613, 26.8196
YIQ	149.8620, 81.0990, 44.5790

Conversions

Conversions Part 2

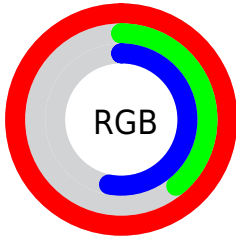
Format	Color
R _Y B	255, 99, 136
Decimal	16737160
CIE Lab	63.31, 62.18, 11.37
CIE LCh	63, 63.214, 10.365
Yxy	31.9613, 0.4604, 0.2934
Android (android.graphics.Color)	4294927240 (0xFFFF6388)
YUV	149.8620, -6.8340, 92.2060
Hunter-Lab	56.5343, 59.4177, 11.4471

Details

The Yxy color **31.9613, 0.4604, 0.2934** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **79.2325, 0.2531, 0.3745**, and the grayscale version is **30.4363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7111, 0.3770, 0.2947**, and **13.3487, 0.5075, 0.2779** is the 20% darker color. If you saturate the color by 10%, you get **27.3626, 0.4998, 0.2920**, and if you desaturate by 10%, it is **38.1783, 0.4243, 0.2975**.

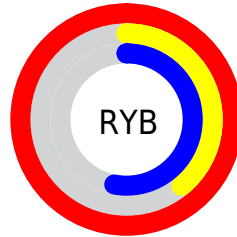
Distribution



Red (100%)

Green (39%)

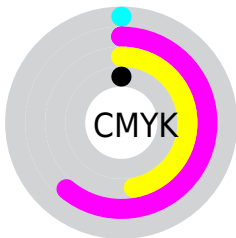
Blue (53%)



Red (100%)

Yellow (39%)

Blue (53%)

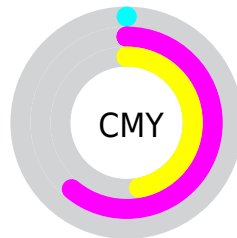


Cyan (0%)

Magenta (61%)

Yellow (47%)

Black (0%)



Cyan (0%)


Magenta (61%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9613, 0.4604, 0.2934 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 31.9613, 0.4604, 0.2934 by changing the saturation by 10% instead.

 31.9613, 0.4604,
0.2934


 31.9613, 0.4604,
0.2934


310.9429, 0.3818,
0.3143


 21.3319, 0.4813,
0.2871


 62.7504, 0.4309,
0.3018


 13.3669, 0.5086,
0.2785


 83.6790, 0.4201,
0.3047

 7.6816, 0.5458,
0.2659

 108.8094, 0.4110,
0.3071

 3.8919, 0.5987,
0.2466

 138.5260, 0.4034,
0.3090

 1.6133, 0.6777,
0.2146

173.2133, 0.3969,
0.3107

 0.3665, 0.8645,
0.1355

213.2556, 0.3912,

 0.0000, 1.0000,

0.3121

0.0000


259.0374, 0.3862,
0.3133


 0.0000, 0.0000,
0.0000


 31.9613, 0.4604,
0.2934

 31.9613, 0.4604,
0.2934


 27.3626, 0.4998,
0.2920


 38.1783, 0.4243,
0.2975


 24.2375, 0.5398,
0.2943


 46.1583, 0.3931,
0.3031

 22.3976, 0.5758,
0.3006

 56.0188, 0.3670,
0.3095

 21.5917, 0.6014,
0.3086

 67.8698, 0.3456,
0.3160

 81.8128, 0.3283,
0.3223

97.9423, 0.3142,
0.3283

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.



31.9613, 0.3648, 0.2371



31.9613, 0.4604, 0.2934



31.9613, 0.5066, 0.3589

Triad

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



31.9613, 0.4604, 0.2934



31.9613, 0.3334, 0.5143



31.9613, 0.1567, 0.1998

Complementary

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



31.9613, 0.4604, 0.2934



79.2325, 0.2531, 0.3745

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.



31.9613, 0.1510, 0.2505



31.9613, 0.4604, 0.2934



31.9613, 0.2443, 0.4563

Square

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



31.9613, 0.4604, 0.2934



31.9613, 0.4219, 0.4913



31.9613, 0.1792, 0.3443



31.9613, 0.1941, 0.1852

Rectangle

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



31.9613, 0.4604, 0.2934



31.9613, 0.5005, 0.4051



31.9613, 0.1792, 0.3443



31.9613, 0.1513, 0.2122

Sweetspot

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



31.9580, 0.4604, 0.2934



72.0769, 0.3397, 0.3181



30.7386, 0.2833, 0.1713



14.6025, 0.3451, 0.3162



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.



31.9580, 0.4604, 0.2934



26.6906, 0.5072, 0.2921



40.3336, 0.4792, 0.3676



18.0577, 0.3257, 0.3234



11.3012, 0.5975, 0.3065



1.1165, 0.5663, 0.2893

Inverse Universe

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



31.9580, 0.4604, 0.2934



26.6906, 0.5072, 0.2921



58.9811, 0.2272, 0.2806



18.0577, 0.3257, 0.3234



11.3012, 0.5975, 0.3065



1.1165, 0.5663, 0.2893

Previews

White Background



This preview shows how the Yxy color 31.9613, 0.4604, 0.2934 looks on a white background.

Color Contrast Check

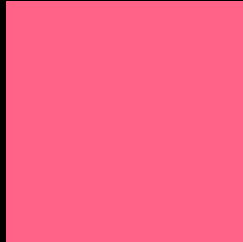
Large Text (above 18pt) WCAG AA × Fail

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 31.9613, 0.4604, 0.2934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

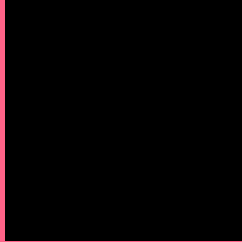
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9613, 0.4604, 0.2934

Background



This preview shows how black text looks on a background with the Yxy color 31.9613, 0.4604, 0.2934.



This preview shows how white text looks on a background with the Yxy color 31.9613, 0.4604, 0.2934.

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

31.9613, 0.4604, 0.2934

Protanopia

32.2714, 0.3018, 0.3110

Deuteranopia

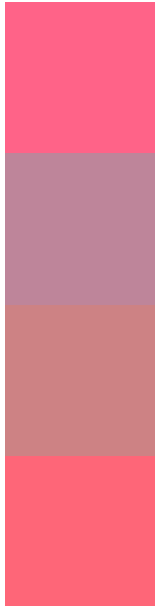
32.1119, 0.3630, 0.3566



Tritanopia

31.9310, 0.4886, 0.3228

Trichromacy



Original Color

31.9613, 0.4604, 0.2934

Protanomaly

30.0553, 0.3545, 0.3005

Deuteranomaly

30.6103, 0.3983, 0.3267

Tritanomaly

31.9296, 0.4792, 0.3121

Monochromacy



Original Color

31.9613, 0.4604, 0.2934

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

28.9683, 0.3632, 0.3097

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9613, 0.4604, 0.2934 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, 99, 136)` looks like.

```
.text, #text, p{  
    color:rgb(255, 99, 136)  
}
```

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, 99, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 136) }
```

Border

The CSS property to change the border of an element to Yxy 31.9613, 0.4604, 0.2934 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, 99, 136) }
```

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

```
.border{ border-color:rgb(255, 99, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 99, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 136);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9613, 0.4604, 0.2934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 99, 136) }
```

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

```
.background{ background-color: rgb(255, 99,  
136) }
```

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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