

Converting Colors

$Y_{xy}(35.0195, 0.4320, 0.2867)$

Have a look what the booklet for
Yxy(35.0195, 0.4320, 0.2867)
contains.

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Color

Yxy(34.9620, 0.4315, 0.2860)

Conversions

Conversions Part 1

Format	Color
Hex	FF6F9A
RGB	255, 111, 154
RGB Percent	100%, 44%, 60%
CMY	0.0001, 0.5646, 0.3961
CMYK	0.00, 0.56, 0.40, 0.00
HSL	342°, 100%, 72%
HSV	342°, 56%, 100%
XYZ	52.7486, 34.9620, 34.5341
YIQ	158.9580, 72.0210, 43.9010

Conversions

Conversions Part 2

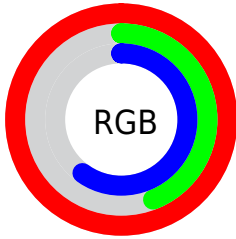
Format	Color
R _Y B	255, 111, 154
Decimal	16740250
CIE Lab	65.72, 58.65, 4.50
CIE LCh	66, 58.827, 4.389
Yxy	34.9620, 0.4315, 0.2860
Android (android.graphics.Color)	4294930330 (0xFFFF6F9A)
YUV	158.9580, -2.4443, 84.2288
Hunter-Lab	59.1287, 55.7644, 6.7617

Details

The Yxy color **34.9620, 0.4315, 0.2860** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **79.6382, 0.2598, 0.3817**, and the grayscale version is **34.6419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.4515, 0.3565, 0.2868**, and **15.0869, 0.4690, 0.2720** is the 20% darker color. If you saturate the color by 10%, you get **29.6170, 0.4662, 0.2819**, and if you desaturate by 10%, it is **41.9870, 0.4008, 0.2925**.

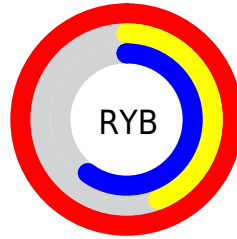
Distribution



Red (100%)

Green (44%)

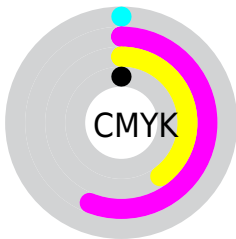
Blue (60%)



Red (100%)

Yellow (44%)

Blue (60%)

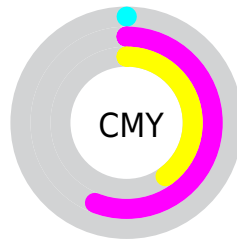


Cyan (0%)

Magenta (56%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (56%)

Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.9620, 0.4315, 0.2860 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 34.9620, 0.4315, 0.2860 by changing the saturation by 10% instead.


 34.9620, 0.4315,
0.2860


 34.9620, 0.4315,
0.2860


324.4006, 0.3694,
0.3091


 23.6336, 0.4478,
0.2797


 67.4269, 0.4083,
0.2948

 15.0621, 0.4690,
0.2714


 89.3322, 0.3998,
0.2980

 8.8629, 0.4978,
0.2599


 115.5319, 0.3927,
0.3006

 4.6519, 0.5389,
0.2431

146.4104, 0.3866,
0.3029

 2.0445, 0.6010,
0.2167

182.3522, 0.3814,
0.3048

 0.6331, 0.7271,
0.1715

223.7415, 0.3769,

 0.0000, 1.0000,

0.3064

0.0000

270.9628, 0.3729,
0.3079

0.0000, 0.0000,
0.0000

34.9620, 0.4315,
0.2860

34.9620, 0.4315,
0.2860

29.6170, 0.4662,
0.2819

41.9870, 0.4008,
0.2925

25.8036, 0.5031,
0.2814

50.8131, 0.3747,
0.3002

23.3564, 0.5395,
0.2855

61.5561, 0.3529,
0.3084

22.0668, 0.5715,
0.2942

74.3209, 0.3351,
0.3165

21.7777, 0.5817,
0.2978

89.2045, 0.3206,
0.3243

99.9947, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.9620, 0.3415, 0.2359



34.9620, 0.4315, 0.2860



34.9620, 0.4851, 0.3465

Triad

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



34.9620, 0.4315, 0.2860



34.9620, 0.3508, 0.4969



34.9620, 0.1651, 0.2174

Complementary

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



34.9620, 0.4315, 0.2860



79.6382, 0.2598, 0.3817

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.



34.9620, 0.1662, 0.2729



34.9620, 0.4315, 0.2860



34.9620, 0.2670, 0.4583

Square

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



34.9620, 0.4315, 0.2860



34.9620, 0.4291, 0.4693



34.9620, 0.2003, 0.3640



34.9620, 0.1943, 0.1968

Rectangle

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



34.9620, 0.4315, 0.2860



34.9620, 0.4887, 0.3892



34.9620, 0.2003, 0.3640



34.9620, 0.1620, 0.2317

Sweetspot

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



34.9638, 0.4315, 0.2860



73.5858, 0.3360, 0.3160



32.5607, 0.2799, 0.1793



15.1706, 0.3393, 0.3144



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.



34.9638, 0.4315, 0.2860



28.9374, 0.4718, 0.2816



41.1074, 0.4659, 0.3583



18.0763, 0.3247, 0.3219



11.4049, 0.5774, 0.2955



1.1287, 0.5454, 0.2778

Inverse Universe

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



34.9638, 0.4315, 0.2860



28.9374, 0.4718, 0.2816



65.0930, 0.2342, 0.2941



18.0763, 0.3247, 0.3219



11.4049, 0.5774, 0.2955



1.1287, 0.5454, 0.2778

Previews

White Background



This preview shows how the Yxy color 34.9620, 0.4315, 0.2860 looks on a white background.

Color Contrast Check

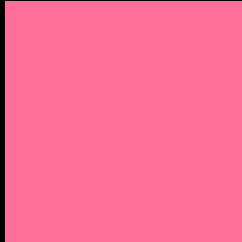
Large Text (above 18pt) WCAG AA × Fail

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 34.9620, 0.4315, 0.2860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

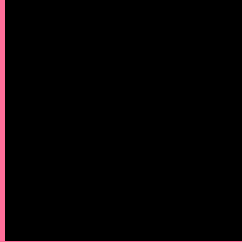
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.9620, 0.4315, 0.2860

Background



This preview shows how black text looks on a background with the Yxy color 34.9620, 0.4315, 0.2860.



This preview shows how white text looks on a background with the Yxy color 34.9620, 0.4315, 0.2860.

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

34.9620, 0.4315, 0.2860

Protanopia

35.2416, 0.2903, 0.2961

Deuteranopia

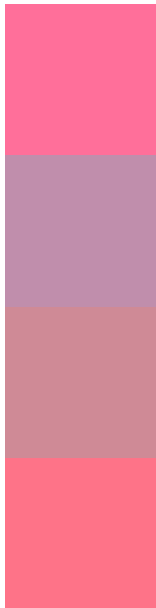
34.9211, 0.3460, 0.3389



Tritanopia

35.0859, 0.4632, 0.3214

Trichromacy



Original Color

34.9620, 0.4315, 0.2860

Protanomaly

33.5310, 0.3354, 0.2895

Deuteranomaly

33.6444, 0.3762, 0.3139

Tritanomaly

35.1099, 0.4516, 0.3082

Monochromacy



Original Color

34.9620, 0.4315, 0.2860

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

33.2497, 0.3533, 0.3091

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9620, 0.4315, 0.2860 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, 111, 154)` looks like.

```
.text, #text, p{  
    color:rgb(255, 111, 154)  
}
```

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, 111, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 111, 154) }
```

Border

The CSS property to change the border of an element to Yxy 34.9620, 0.4315, 0.2860 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, 111, 154) }
```

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

```
.border{ border-color:rgb(255, 111, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 111, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 111, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 111, 154);  
box-shadow:4px 4px 4px 4px rgb(255, 111,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9620, 0.4315, 0.2860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 111, 154) }
```

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

```
.background{ background-color: rgb(255,  
111, 154) }
```

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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