

Converting Colors

$Y_{xy}(42.9858, 0.4756, 0.3015)$

Have a look what the booklet for
Yxy(42.9858, 0.4756, 0.3015)
contains.

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Color

Yxy(34.9237, 0.4413, 0.2951)

Conversions

Conversions Part 1

Format	Color
Hex	FF7092
RGB	255, 112, 146
RGB Percent	100%, 44%, 57%
CMY	0.0000, 0.5608, 0.4273
CMYK	0.00, 0.56, 0.43, 0.00
HSL	346°, 100%, 72%
HSV	346°, 56%, 100%
XYZ	52.2258, 34.9237, 31.1958
YIQ	158.6330, 74.3140, 40.8900

Conversions

Conversions Part 2

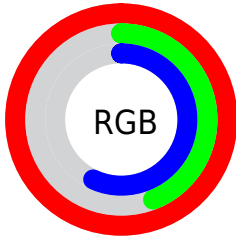
Format	Color
R _Y B	255, 112, 146
Decimal	16740498
CIE Lab	65.69, 57.42, 8.99
CIE LCh	66, 58.121, 8.903
Yxy	34.9237, 0.4413, 0.2951
Android (android.graphics.Color)	4294930578 (0xFFFF7092)
YUV	158.6330, -6.2281, 84.5139
Hunter-Lab	59.0963, 54.3292, 10.0693

Details

The Yxy color **34.9237, 0.4413, 0.2951** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **80.1834, 0.2562, 0.3702**, and the grayscale version is **34.4993, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.4354, 0.3636, 0.2959**, and **15.0462, 0.4819, 0.2818** is the 20% darker color. If you saturate the color by 10%, you get **29.5177, 0.4792, 0.2922**, and if you desaturate by 10%, it is **42.0274, 0.4077, 0.3001**.

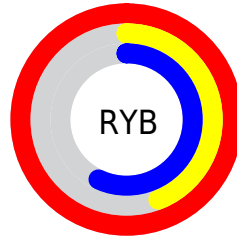
Distribution



Red (100%)

Green (44%)

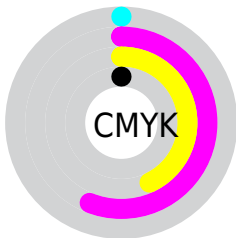
Blue (57%)



Red (100%)

Yellow (44%)

Blue (57%)

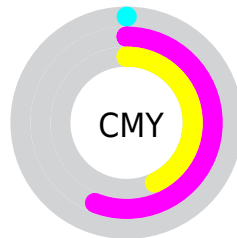


Cyan (0%)

Magenta (56%)

Yellow (43%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.9237, 0.4413, 0.2951 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 34.9237, 0.4413, 0.2951 by changing the saturation by 10% instead.


 34.9237, 0.4413,
0.2951


 34.9237, 0.4413,
0.2951


324.2314, 0.3738,
0.3143


 23.6041, 0.4590,
0.2896

 67.3676, 0.4161,
0.3026

 15.0402, 0.4822,
0.2822


 89.2606, 0.4068,
0.3052

 8.8476, 0.5135,
0.2716

 115.4469, 0.3991,
0.3074

 4.6419, 0.5581,
0.2556

146.3109, 0.3925,
0.3093

 2.0387, 0.6249,
0.2294

182.2370, 0.3868,
0.3108

 0.6298, 0.7919,
0.1909

223.6095, 0.3819,

 0.0000, 1.0000,

0.3121

0.0000

270.8128, 0.3776,
0.3133

■ 0.0000, 0.0000,
0.0000

■ 34.9237, 0.4413,
0.2951

■ 34.9237, 0.4413,
0.2951

■ 29.5177, 0.4792,
0.2922

■ 42.0274, 0.4077,
0.3001

■ 25.6626, 0.5194,
0.2925

■ 50.9528, 0.3791,
0.3062

■ 23.1920, 0.5580,
0.2968

■ 61.8158, 0.3555,
0.3128

■ 21.8982, 0.5905,
0.3049

■ 74.7218, 0.3363,
0.3193

■ 21.5936, 0.6012,
0.3085

■ 89.7687, 0.3207,
0.3254

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.



34.9237, 0.3554, 0.2433



34.9237, 0.4413, 0.2951



34.9237, 0.4863, 0.3561

Triad

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



34.9237, 0.4413, 0.2951



34.9237, 0.3380, 0.4938



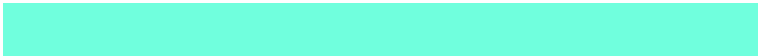
34.9237, 0.1689, 0.2135

Complementary

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



34.9237, 0.4413, 0.2951



80.1834, 0.2562, 0.3702

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.



34.9237, 0.1655, 0.2630



34.9237, 0.4413, 0.2951



34.9237, 0.2560, 0.4449

Square

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



34.9237, 0.4413, 0.2951



34.9237, 0.4177, 0.4749



34.9237, 0.1943, 0.3486



34.9237, 0.2025, 0.1975

Rectangle

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



34.9237, 0.4413, 0.2951



34.9237, 0.4842, 0.3985



34.9237, 0.1943, 0.3486



34.9237, 0.1644, 0.2259

Sweetspot

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



34.9247, 0.4413, 0.2951



73.4443, 0.3379, 0.3187



33.9072, 0.2866, 0.1829



15.1374, 0.3415, 0.3174



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.



34.9247, 0.4413, 0.2951



29.0998, 0.4829, 0.2921



43.5313, 0.4594, 0.3655



18.0579, 0.3257, 0.3234



11.3023, 0.5972, 0.3064



1.1166, 0.5661, 0.2892

Inverse Universe

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



34.9247, 0.4413, 0.2951



29.0998, 0.4829, 0.2921



61.4583, 0.2327, 0.2853



18.0579, 0.3257, 0.3234



11.3023, 0.5972, 0.3064



1.1166, 0.5661, 0.2892

Previews

White Background



This preview shows how the Yxy color 34.9237, 0.4413, 0.2951 looks on a white background.

Color Contrast Check

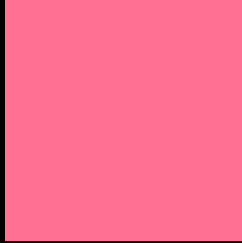
Large Text (above 18pt) WCAG AA × Fail

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 34.9237, 0.4413, 0.2951 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 34.9237, 0.4413, 0.2951

Background



This preview shows how black text looks on a background with the Yxy color 34.9237, 0.4413, 0.2951.



This preview shows how white text looks on a background with the Yxy color 34.9237, 0.4413, 0.2951.

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

34.9237, 0.4413, 0.2951

Protanopia

35.1458, 0.3013, 0.3102

Deuteranopia

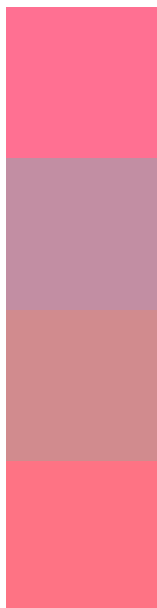
35.0426, 0.3571, 0.3501



Tritanopia

34.8287, 0.4651, 0.3214

Trichromacy



Original Color

34.9237, 0.4413, 0.2951

Protanomaly

33.4597, 0.3469, 0.3012

Deuteranomaly

33.9735, 0.3871, 0.3254

Tritanomaly

34.9982, 0.4566, 0.3123

Monochromacy



Original Color

34.9237, 0.4413, 0.2951

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

33.1484, 0.3566, 0.3131

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9237, 0.4413, 0.2951 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, 112, 146)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 146)  
}
```

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, 112, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 146) }
```

Border

The CSS property to change the border of an element to Yxy 34.9237, 0.4413, 0.2951 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, 112, 146) }
```

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

```
.border{ border-color:rgb(255, 112, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 112, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 146);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9237, 0.4413, 0.2951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 112, 146) }
```

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

```
.background{ background-color: rgb(255,  
112, 146) }
```

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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