

Converting Colors

$Y_{xy}(30.2786, 0.4875, 0.2993)$

Have a look what the booklet for
Yxy(30.2786, 0.4875, 0.2993)
contains.

Yxy(29.8099, 0.4844, 0.2988)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(29.8099, 0.4844, 0.2988)

Conversions

Conversions Part 1

Format	Color
Hex	FF597A
RGB	255, 89, 122
RGB Percent	100%, 35%, 48%
CMY	0.0000, 0.6510, 0.5214
CMYK	0.00, 0.65, 0.52, 0.00
HSL	348°, 100%, 67%
HSV	348°, 65%, 100%
XYZ	48.3264, 29.8099, 21.6291
YIQ	142.3960, 88.3430, 45.4550

Conversions

Conversions Part 2

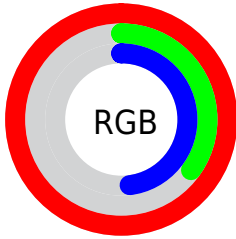
Format	Color
R _Y B	255, 89, 122
Decimal	16734586
CIE Lab	61.49, 65.06, 16.91
CIE LCh	61, 67.225, 14.566
Yxy	29.8099, 0.4844, 0.2988
Android (android.graphics.Color)	4294924666 (0xFFFF597A)
YUV	142.3960, -10.0552, 98.7537
Hunter-Lab	54.5984, 62.4472, 14.7312

Details

The Yxy color **29.8099, 0.4844, 0.2988** is a light color, and the websafe version is hex **FF3366**. The color can be described as light muted rose. A complement of this color would be **78.9156, 0.2485, 0.3696**, and the grayscale version is **27.2321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1834, 0.3951, 0.3009**, and **12.1335, 0.5403, 0.2827** is the 20% darker color. If you saturate the color by 10%, you get **25.8226, 0.5263, 0.2992**, and if you desaturate by 10%, it is **35.3758, 0.4447, 0.3012**.

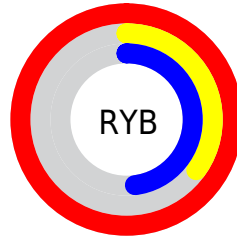
Distribution



Red (100%)

Green (35%)

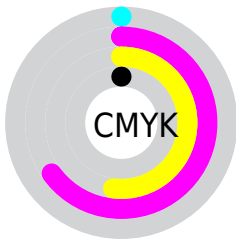
Blue (48%)



Red (100%)

Yellow (35%)

Blue (48%)

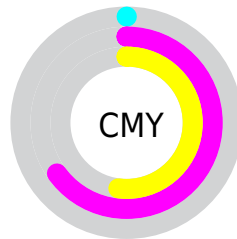


Cyan (0%)

Magenta (65%)

Yellow (52%)

Black (0%)



Cyan (0%)


Magenta (65%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8099, 0.4844, 0.2988 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 29.8099, 0.4844, 0.2988 by changing the saturation by 10% instead.


 29.8099, 0.4844,
0.2988

 29.8099, 0.4844,
0.2988


301.0173, 0.3922,
0.3185

 19.6943, 0.5090,
0.2923


 59.3614, 0.4496,
0.3071


 12.1731, 0.5413,
0.2829


 79.5662, 0.4369,
0.3099

 6.8616, 0.5849,
0.2689

 103.9028, 0.4263,
0.3121

 3.3757, 0.6458,
0.2462

 132.7556, 0.4173,
0.3139

 1.3309, 0.7540,
0.2134

166.5091, 0.4097,
0.3153

 0.1649, 0.9274,
0.0726

205.5476, 0.4030,

 0.0000, 1.0000,

0.3166

0.0000

250.2556, 0.3973,
0.3176

■ 0.0000, 0.0000,
0.0000

■ 29.8099, 0.4844,
0.2988

■ 29.8099, 0.4844,
0.2988

■ 25.8226, 0.5263,
0.2992

■ 35.3758, 0.4447,
0.3012

■ 23.2431, 0.5663,
0.3031

■ 42.6581, 0.4096,
0.3054


■ 21.8693, 0.5991,
0.3104

■ 51.7850, 0.3799,
0.3105

■ 21.4963, 0.6118,
0.3144

■ 62.8712, 0.3555,
0.3160

■ 76.0221, 0.3357,
0.3214

 91.3353, 0.3196,
0.3265

99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



29.8099, 0.3847, 0.2378



29.8099, 0.4844, 0.2988



29.8099, 0.5232, 0.3683

Triad

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



29.8099, 0.4844, 0.2988



29.8099, 0.3186, 0.5293



29.8099, 0.1500, 0.1862

Complementary

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



29.8099, 0.4844, 0.2988



78.9156, 0.2485, 0.3696

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.



29.8099, 0.1391, 0.2328



29.8099, 0.4844, 0.2988



29.8099, 0.2257, 0.4535

Square

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



29.8099, 0.4844, 0.2988



29.8099, 0.4149, 0.5101



29.8099, 0.1625, 0.3276



29.8099, 0.1940, 0.1760

Rectangle

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



29.8099, 0.4844, 0.2988



29.8099, 0.5088, 0.4174



29.8099, 0.1625, 0.3276



29.8099, 0.1428, 0.1971

Sweetspot

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



29.8116, 0.4844, 0.2988



69.3083, 0.3449, 0.3187



29.8639, 0.2884, 0.1667



14.0605, 0.3506, 0.3172



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.



29.8116, 0.4844, 0.2988



24.9365, 0.5384, 0.3000



40.3898, 0.4877, 0.3770



18.0461, 0.3263, 0.3243



11.2491, 0.6083, 0.3124



1.1099, 0.5785, 0.2961

Inverse Universe

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



29.8116, 0.4844, 0.2988



24.9365, 0.5384, 0.3000



53.1029, 0.2206, 0.2659



18.0461, 0.3263, 0.3243



11.2491, 0.6083, 0.3124



1.1099, 0.5785, 0.2961

Previews

White Background



This preview shows how the Yxy color 29.8099, 0.4844, 0.2988 looks on a white background.

Color Contrast Check

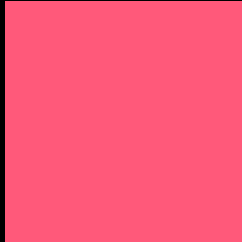
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8099, 0.4844, 0.2988 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 × Fail

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

Yxy 29.8099, 0.4844, 0.2988

Background



This preview shows how black text looks on a background with the Yxy color 29.8099, 0.4844, 0.2988.



This preview shows how white text looks on a background with the Yxy color 29.8099, 0.4844, 0.2988.

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

29.8099, 0.4844, 0.2988

Protanopia

29.9308, 0.3110, 0.3228

Deuteranopia

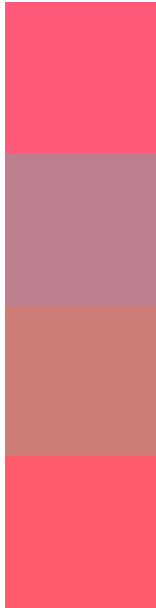
29.9738, 0.3789, 0.3718



Tritanopia

29.8004, 0.5118, 0.3242

Trichromacy



Original Color

29.8099, 0.4844, 0.2988

Protanomaly

27.7932, 0.3692, 0.3097

Deuteranomaly

28.2876, 0.4194, 0.3371

Tritanomaly

29.7867, 0.5021, 0.3159

Monochromacy



Original Color

29.8099, 0.4844, 0.2988

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

25.9825, 0.3721, 0.3120

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8099, 0.4844, 0.2988 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, 89, 122)` looks like.

```
.text, #text, p{  
  color:rgb(255, 89, 122)  
}
```

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, 89, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 89, 122) }
```

Border

The CSS property to change the border of an element to Yxy 29.8099, 0.4844, 0.2988 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, 89, 122) }
```

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

```
.border{ border-color:rgb(255, 89, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 89, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 89, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 89, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 89,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8099, 0.4844, 0.2988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 89, 122) }
```

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

```
.background{ background-color: rgb(255, 89,  
122) }
```

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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