

Converting Colors

$Yxy(39.7240, 0.5336, 0.3023)$

Have a look what the booklet for
Yxy(39.7240, 0.5336, 0.3023)
contains.

Yxy(27.8997, 0.4946, 0.2922)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.8997, 0.4946, 0.2922)

Conversions

Conversions Part 1

Format	Color
Hex	FF4D77
RGB	255, 77, 119
RGB Percent	100%, 30%, 47%
CMY	0.0000, 0.6980, 0.5332
CMYK	0.00, 0.70, 0.53, 0.00
HSL	346°, 100%, 65%
HSV	346°, 70%, 100%
XYZ	47.2252, 27.8997, 20.3567
YIQ	135.0100, 92.6060, 50.7980

Conversions

Conversions Part 2

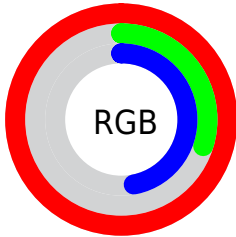
Format	Color
R_{YB}	255, 77, 119
Decimal	16731511
CIE Lab	59.80, 69.30, 16.33
CIE LCh	60, 71.199, 13.255
Yxy	27.8997, 0.4946, 0.2922
Android (android.graphics.Color)	4294921591 (0xFFFF4D77)
YUV	135.0100, -7.8929, 105.2312
Hunter-Lab	52.8202, 67.1570, 14.1240

Details

The Yxy color **27.8997, 0.4946, 0.2922** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed rose. A complement of this color would be **77.9012, 0.2491, 0.3818**, and the grayscale version is **24.2385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.0916, 0.4017, 0.2938**, and **11.6614, 0.5506, 0.2807** is the 20% darker color. If you saturate the color by 10%, you get **24.5835, 0.5347, 0.2939**, and if you desaturate by 10%, it is **32.7122, 0.4554, 0.2940**.

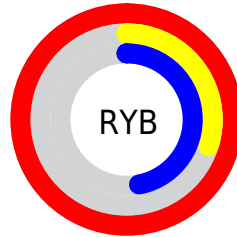
Distribution



Red (100%)

Green (30%)

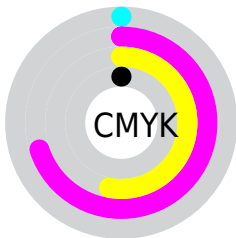
Blue (47%)



Red (100%)

Yellow (30%)

Blue (47%)

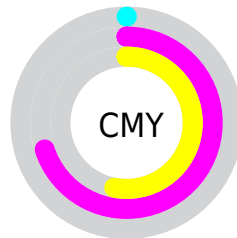


Cyan (0%)

Magenta (70%)

Yellow (53%)

Black (0%)



Cyan (0%)

Magenta (70%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8997, 0.4946, 0.2922 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 27.8997, 0.4946, 0.2922 by changing the saturation by 10% instead.

 27.8997, 0.4946,
0.2922


 27.8997, 0.4946,
0.2922


291.9873, 0.3961,
0.3157


 18.2501, 0.5211,
0.2845


 56.3243, 0.4573,
0.3021

 11.1297, 0.5559,
0.2736


 75.8680, 0.4437,
0.3054

 6.1541, 0.6030,
0.2572

 99.4785, 0.4324,
0.3080

 2.9390, 0.6687,
0.2312

 127.5403, 0.4228,
0.3101

 1.1000, 0.7969,
0.1960

160.4377, 0.4147,
0.3119

 0.0000, 1.0000,
0.0000

198.5550, 0.4077,

 0.0000, 0.0000,

0.3134

0.0000

242.2768, 0.4015,
0.3146

■ 27.8997, 0.4946,
0.2922

■ 27.8997, 0.4946,
0.2922

■ 24.5835, 0.5347,
0.2939

■ 32.7122, 0.4554,
0.2940

■ 22.5792, 0.5716,
0.2997

■ 39.1681, 0.4199,
0.2983


■ 21.6035, 0.6012,
0.3087

■ 47.4015, 0.3894,
0.3041

■ 21.5883, 0.6017,
0.3088

■ 57.5315, 0.3639,
0.3105

■ 69.6668, 0.3431,
0.3170

 83.9079, 0.3261,
0.3232

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.



27.8997, 0.3845, 0.2291



27.8997, 0.4946, 0.2922



27.8997, 0.5384, 0.3641

Triad

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



27.8997, 0.4946, 0.2922



27.8997, 0.3208, 0.5482



27.8997, 0.1392, 0.1780

Complementary

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



27.8997, 0.4946, 0.2922



77.9012, 0.2491, 0.3818

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.



27.8997, 0.1290, 0.2280



27.8997, 0.4946, 0.2922



27.8997, 0.2218, 0.4710

Square

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



27.8997, 0.4946, 0.2922



27.8997, 0.4228, 0.5187



27.8997, 0.1542, 0.3317



27.8997, 0.1833, 0.1666

Rectangle

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



27.8997, 0.4946, 0.2922



27.8997, 0.5231, 0.4157



27.8997, 0.1542, 0.3317



27.8997, 0.1322, 0.1896

Sweetspot

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



27.9012, 0.4946, 0.2922



68.1031, 0.3453, 0.3162



26.3040, 0.2775, 0.1539



13.8303, 0.3508, 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.



27.9012, 0.4946, 0.2922



23.5937, 0.5509, 0.2959



35.5937, 0.5135, 0.3694



18.0573, 0.3257, 0.3234



11.2994, 0.5978, 0.3067



1.1163, 0.5667, 0.2896

Inverse Universe

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



27.9012, 0.4946, 0.2922



23.5937, 0.5509, 0.2959



55.1393, 0.2189, 0.2725



18.0573, 0.3257, 0.3234



11.2994, 0.5978, 0.3067



1.1163, 0.5667, 0.2896

Previews

White Background



This preview shows how the Yxy color 27.8997, 0.4946, 0.2922 looks on a white background.

Color Contrast Check

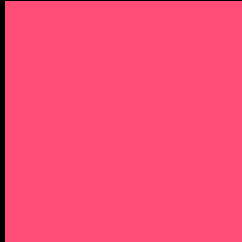
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8997, 0.4946, 0.2922 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 27.8997, 0.4946, 0.2922

Background



This preview shows how black text looks on a background with the Yxy color 27.8997, 0.4946, 0.2922.



This preview shows how white text looks on a background with the Yxy color 27.8997, 0.4946, 0.2922.

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

27.8997, 0.4946, 0.2922

Protanopia

27.8741, 0.3041, 0.3131

Deuteranopia

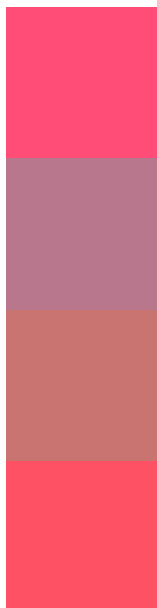
27.8488, 0.3800, 0.3715



Tritanopia

27.7737, 0.5316, 0.3255

Trichromacy



Original Color

27.8997, 0.4946, 0.2922

Protanomaly

25.3071, 0.3671, 0.2980

Deuteranomaly

26.1005, 0.4254, 0.3333

Tritanomaly

27.8565, 0.5195, 0.3141

Monochromacy



Original Color

27.8997, 0.4946, 0.2922

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.2033, 0.3783, 0.3073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8997, 0.4946, 0.2922 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, 77, 119)` looks like.

```
.text, #text, p{  
    color:rgb(255, 77, 119)  
}
```

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, 77, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 77, 119) }
```

Border

The CSS property to change the border of an element to Yxy 27.8997, 0.4946, 0.2922 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, 77, 119) }
```

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

```
.border{ border-color:rgb(255, 77, 119) }
```

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

Here you see how a box with a 4 pixel rgb(255, 77, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 77, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 77, 119);  
box-shadow:4px 4px 4px 4px rgb(255, 77,  
119) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 27.8997, 0.4946, 0.2922$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 77, 119) }
```

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

```
.background{ background-color: rgb(255, 77,  
119) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor