

Converting Colors

$Y_{xy}(40.8108, 0.5427, 0.2881)$

Have a look what the booklet for
Yxy(40.8108, 0.5427, 0.2881)
contains.

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Color

Yxy(24.9889, 0.4931, 0.2669)

Conversions

Conversions Part 1

Format	Color
Hex	FF317F
RGB	255, 49, 127
RGB Percent	100%, 19%, 50%
CMY	0.0000, 0.8077, 0.5019
CMYK	0.00, 0.81, 0.50, 0.00
HSL	337°, 100%, 60%
HSV	337°, 81%, 100%
XYZ	46.1672, 24.9889, 22.4703
YIQ	119.4860, 97.7380, 67.9300

Conversions

Conversions Part 2

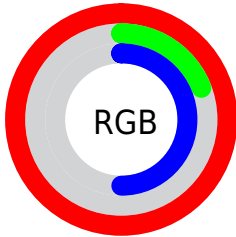
Format	Color
R_{YB}	255, 49, 127
Decimal	16724351
CIE _{Lab}	57.06, 78.10, 7.78
CIE _{LCh}	57, 78.492, 5.691
Yxy	24.9889, 0.4931, 0.2669
Android (android.graphics.Color)	4294914431 (0xFFFF317F)
YUV	119.4860, 3.7044, 118.8458
Hunter-Lab	49.9889, 77.3729, 8.3410

Details

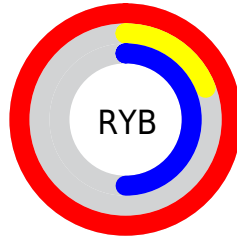
The Yxy color **24.9889, 0.4931, 0.2669** is a dark color, and the websafe version is hex **FF0066**. The color can be described as middle washed rose. A complement of this color would be **75.3438, 0.2583, 0.4328**, and the grayscale version is **18.5803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2373, 0.3985, 0.2662**, and **11.7565, 0.5359, 0.2726** is the 20% darker color. If you saturate the color by 10%, you get **23.0439, 0.5248, 0.2722**, and if you desaturate by 10%, it is **28.2061, 0.4605, 0.2669**.

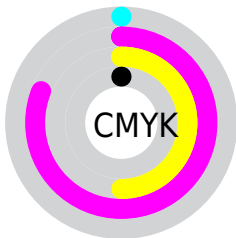
Distribution



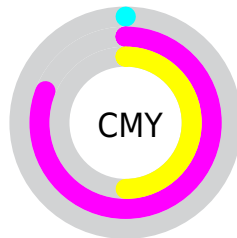
- Red (100%)
- Green (19%)
- Blue (50%)



- Red (100%)
- Yellow (19%)
- Blue (50%)



- Cyan (0%)
- Magenta (81%)
- Yellow (50%)
- Black (0%)




- Cyan (0%)
- Magenta (81%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9889, 0.4931, 0.2669 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 24.9889, 0.4931, 0.2669 by changing the saturation by 10% instead.


 24.9889, 0.4931,
0.2669


 24.9889, 0.4931,
0.2669


277.7827, 0.3945,
0.3026


 16.0688, 0.5201,
0.2565


 51.6392, 0.4554,
0.2810

 9.5728, 0.5558,
0.2422


 70.1382, 0.4418,
0.2860


 5.1167, 0.6048,
0.2219

 92.5989, 0.4306,
0.2900

 2.3159, 0.6746,
0.1913

 119.4058, 0.4211,
0.2934

 0.7821, 0.7961,
0.1464

 150.9432, 0.4130,
0.2962

 0.0000, 1.0000,
0.0000

187.5956, 0.4060,

 0.0000, 0.0000,

0.2987

0.0000

229.7473, 0.3999,
0.3008

■ 24.9889, 0.4931,
0.2669

■ 24.9889, 0.4931,
0.2669

■ 23.0439, 0.5248,
0.2722

■ 28.2061, 0.4605,
0.2669


■ 22.1129, 0.5514,
0.2811


■ 32.8717, 0.4294,
0.2713

■ 39.1378, 0.4013,
0.2788


■ 47.1362, 0.3769,
0.2882

■ 56.9849, 0.3563,
0.2984

 68.7913, 0.3391,
0.3087

 82.6546, 0.3250,
0.3188

 98.6674, 0.3135,
0.3283

 99.9985, 0.3127,
0.3290

Harmonies

Analogous

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



24.9889, 0.3573, 0.2034



24.9889, 0.4931, 0.2669



24.9889, 0.5633, 0.3409

Triad

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



24.9889, 0.4931, 0.2669



24.9889, 0.3440, 0.5799



24.9889, 0.1168, 0.1700

Complementary

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



24.9889, 0.4931, 0.2669



75.3438, 0.2583, 0.4328

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.



24.9889, 0.1137, 0.2357



24.9889, 0.4931, 0.2669



24.9889, 0.2326, 0.5301

Square

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



24.9889, 0.4931, 0.2669



24.9889, 0.4542, 0.5151



24.9889, 0.1493, 0.3693



24.9889, 0.1537, 0.1503

Rectangle

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



24.9889, 0.4931, 0.2669



24.9889, 0.5563, 0.3946



24.9889, 0.1493, 0.3693



24.9889, 0.1120, 0.1856

Sweetspot

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



24.9904, 0.4931, 0.2669



64.7627, 0.3443, 0.3054



18.6539, 0.2439, 0.1228



12.9619, 0.3504, 0.3017



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.



24.9904, 0.4931, 0.2669



22.3714, 0.5430, 0.2780



26.2538, 0.5807, 0.3451



18.1009, 0.3234, 0.3200



11.5820, 0.5471, 0.2787



1.1481, 0.5162, 0.2618

Inverse Universe

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



24.9904, 0.4931, 0.2669



22.3714, 0.5430, 0.2780



65.0047, 0.2201, 0.2989



18.1009, 0.3234, 0.3200



11.5820, 0.5471, 0.2787



1.1481, 0.5162, 0.2618

Previews

White Background



This preview shows how the Yxy color 24.9889, 0.4931, 0.2669 looks on a white background.

Color Contrast Check

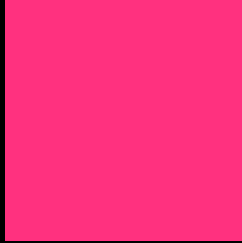
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9889, 0.4931, 0.2669 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 24.9889, 0.4931, 0.2669

Background



This preview shows how black text looks on a background with the Yxy color 24.9889, 0.4931, 0.2669.



This preview shows how white text looks on a background with the Yxy color 24.9889, 0.4931, 0.2669.

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

24.9889, 0.4931, 0.2669

Protanopia

25.2535, 0.2691, 0.2681

Deuteranopia

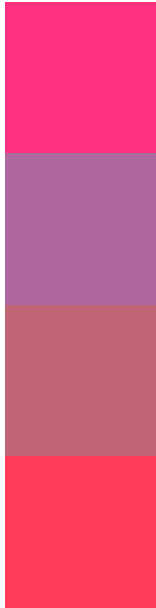
25.0560, 0.3604, 0.3532



Tritanopia

25.0092, 0.5663, 0.3283

Trichromacy



Original Color

24.9889, 0.4931, 0.2669

Protanomaly

21.3336, 0.3378, 0.2529

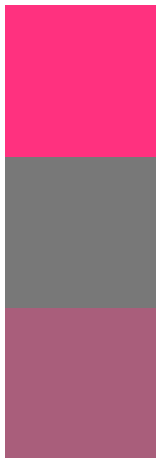
Deuteranomaly

22.2207, 0.4125, 0.3036

Tritanomaly

24.8356, 0.5444, 0.3078

Monochromacy



Original Color

24.9889, 0.4931, 0.2669

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

17.8705, 0.3816, 0.2848

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9889, 0.4931, 0.2669 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, 49, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 49, 127)  
}
```

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, 49, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 49, 127) }
```

Border

The CSS property to change the border of an element to Yxy 24.9889, 0.4931, 0.2669 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, 49, 127) }
```

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

```
.border{ border-color:rgb(255, 49, 127) }
```

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

Here you see how a box with a 4 pixel rgb(255, 49, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 49, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 49, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 49,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9889, 0.4931, 0.2669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 49, 127) }
```

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

```
.background{ background-color: rgb(255, 49,  
127) }
```

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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