

Converting Colors

$Yxy(33.6716, 0.4877, 0.2680)$

Have a look what the booklet for
Yxy(33.6716, 0.4877, 0.2680)
contains.

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Color

Yxy(27.0334, 0.4576, 0.2559)

Conversions

Conversions Part 1

Format	Color
Hex	FF4093
RGB	255, 64, 147
RGB Percent	100%, 25%, 58%
CMY	0.0000, 0.7490, 0.4236
CMYK	0.00, 0.75, 0.42, 0.00
HSL	334°, 100%, 63%
HSV	334°, 75%, 100%
XYZ	48.3411, 27.0334, 30.2660
YIQ	130.5710, 87.1930, 66.3050

Conversions

Conversions Part 2

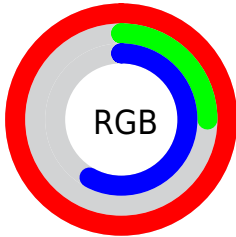
Format	Color
R _Y B	255, 64, 147
Decimal	16728211
CIE Lab	59.01, 75.81, -1.21
CIE LCh	59, 75.824, 359.089
Yxy	27.0334, 0.4576, 0.2559
Android (android.graphics.Color)	4294918291 (0xFFFF4093)
YUV	130.5710, 8.0995, 109.1242
Hunter-Lab	51.9937, 74.9714, 1.8823

Details

The Yxy color **27.0334, 0.4576, 0.2559** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **75.5896, 0.2633, 0.4391**, and the grayscale version is **22.4832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.6558, 0.3711, 0.2541**, and **12.2005, 0.4955, 0.2503** is the 20% darker color. If you saturate the color by 10%, you get **24.3600, 0.4868, 0.2569**, and if you desaturate by 10%, it is **31.0764, 0.4291, 0.2598**.

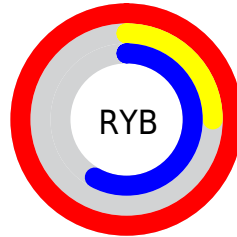
Distribution



Red (100%)

Green (25%)

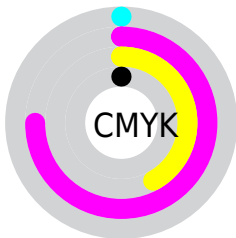
Blue (58%)



Red (100%)

Yellow (25%)

Blue (58%)

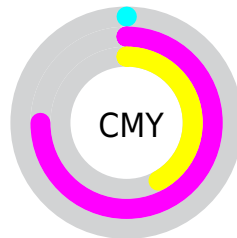


Cyan (0%)

Magenta (75%)

Yellow (42%)

Black (0%)



Cyan (0%)


Magenta (75%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0334, 0.4576, 0.2559 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 27.0334, 0.4576, 0.2559 by changing the saturation by 10% instead.


 27.0334, 0.4576,
0.2559


 27.0334, 0.4576,
0.2559


287.8188, 0.3799,
0.2949


 17.5983, 0.4786,
0.2455


 54.9375, 0.4282,
0.2706

 10.6620, 0.5063,
0.2317

 74.1752, 0.4175,
0.2760

 5.8400, 0.5444,
0.2129

 97.4493, 0.4085,
0.2805

 2.7481, 0.5993,
0.1859

 125.1442, 0.4010,
0.2843

 1.0017, 0.6828,
0.1453

 157.6441, 0.3946,
0.2875

 0.0000, 1.0000,
0.0000

195.3336, 0.3890,

 0.0000, 0.0000,

0.2903

0.0000

238.5971, 0.3841,
0.2928

■ 27.0334, 0.4576,
0.2559

■ 27.0334, 0.4576,
0.2559

■ 24.3600, 0.4868,
0.2569

■ 31.0764, 0.4291,
0.2598

■ 22.8592, 0.5148,
0.2635


■ 36.6501, 0.4029,
0.2675


■ 22.4029, 0.5283,
0.2684

■ 43.8924, 0.3797,
0.2777

■ 52.9257, 0.3597,
0.2891

■ 63.8611, 0.3430,
0.3009

 76.8003, 0.3290,
0.3126

 91.8380, 0.3176,
0.3238

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.



27.0334, 0.3265, 0.1982



27.0334, 0.4576, 0.2559



27.0334, 0.5433, 0.3267

Triad

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



27.0334, 0.4576, 0.2559



27.0334, 0.3698, 0.5595



27.0334, 0.1210, 0.1871

Complementary

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



27.0334, 0.4576, 0.2559



75.5896, 0.2633, 0.4391

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.



27.0334, 0.1261, 0.2640



27.0334, 0.4576, 0.2559



27.0334, 0.2610, 0.5388

Square

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



27.0334, 0.4576, 0.2559



27.0334, 0.4716, 0.4906



27.0334, 0.1716, 0.4024



27.0334, 0.1495, 0.1591

Rectangle

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



27.0334, 0.4576, 0.2559



27.0334, 0.5512, 0.3778



27.0334, 0.1716, 0.4024



27.0334, 0.1189, 0.2062

Sweetspot

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



27.0333, 0.4576, 0.2559



67.4033, 0.3386, 0.3044



19.3280, 0.2385, 0.1271



13.7171, 0.3427, 0.3012



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.



27.0333, 0.4576, 0.2559



23.4627, 0.5013, 0.2596



26.4684, 0.5668, 0.3365



18.1181, 0.3226, 0.3187



11.7347, 0.5242, 0.2661



1.1640, 0.4954, 0.2503

Inverse Universe

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



27.0333, 0.4576, 0.2559



23.4627, 0.5013, 0.2596



73.8877, 0.2273, 0.3172



18.1181, 0.3226, 0.3187



11.7347, 0.5242, 0.2661



1.1640, 0.4954, 0.2503

Previews

White Background



This preview shows how the Yxy color 27.0334, 0.4576, 0.2559 looks on a white background.

Color Contrast Check

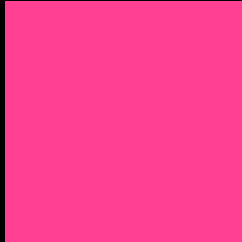
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.0334, 0.4576, 0.2559 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 27.0334, 0.4576, 0.2559

Background



This preview shows how black text looks on a background with the Yxy color 27.0334, 0.4576, 0.2559.



This preview shows how white text looks on a background with the Yxy color 27.0334, 0.4576, 0.2559.

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

27.0334, 0.4576, 0.2559

Protanopia

27.1632, 0.2537, 0.2473

Deuteranopia

26.9954, 0.3352, 0.3275



Tritanopia

27.0500, 0.5352, 0.3263

Trichromacy



Original Color

27.0334, 0.4576, 0.2559



Protanomaly

23.7613, 0.3135, 0.2388



Deuteranomaly

24.4124, 0.3809, 0.2872



Tritanomaly

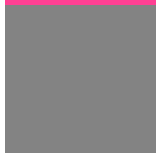
26.8103, 0.5089, 0.3007

Monochromacy



Original Color

27.0334, 0.4576, 0.2559



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

21.5516, 0.3661, 0.2851

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0334, 0.4576, 0.2559 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, 64, 147)` looks like.

```
.text, #text, p{  
  color:rgb(255, 64, 147)  
}
```

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, 64, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 64, 147) }
```

Border

The CSS property to change the border of an element to Yxy 27.0334, 0.4576, 0.2559 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, 64, 147) }
```

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

```
.border{ border-color:rgb(255, 64, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 64, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 64, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 64, 147);  
box-shadow:4px 4px 4px 4px rgb(255, 64,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0334, 0.4576, 0.2559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 64, 147) }
```

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

```
.background{ background-color: rgb(255, 64,  
147) }
```

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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