

Converting Colors

$Y_{xy}(28.5209, 0.4398, 0.2487)$

Have a look what the booklet for
Yxy(28.5209, 0.4398, 0.2487)
contains.

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Color

Yxy(28.1435, 0.4380, 0.2481)

Conversions

Conversions Part 1

Format	Color
Hex	FF469F
RGB	255, 70, 159
RGB Percent	100%, 27%, 62%
CMY	0.0000, 0.7254, 0.3765
CMYK	0.00, 0.73, 0.38, 0.00
HSL	331°, 100%, 64%
HSV	331°, 73%, 100%
XYZ	49.6850, 28.1435, 35.6076
YIQ	135.4610, 81.6910, 66.8990

Conversions

Conversions Part 2

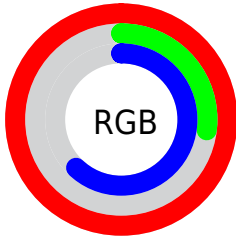
Format	Color
R _Y B	255, 70, 159
Decimal	16729759
CIE Lab	60.02, 75.11, -6.73
CIE LCh	60, 75.414, 354.883
Yxy	28.1435, 0.4380, 0.2481
Android (android.graphics.Color)	4294919839 (0xFFFF469F)
YUV	135.4610, 11.6047, 104.8357
Hunter-Lab	53.0504, 74.3380, -2.6603

Details

The Yxy color **28.1435, 0.4380, 0.2481** 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 **75.5727, 0.2672, 0.4471**, and the grayscale version is **24.3463, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.6176, 0.3566, 0.2466**, and **12.4202, 0.4713, 0.2370** is the 20% darker color. If you saturate the color by 10%, you get **25.1671, 0.4642, 0.2469**, and if you desaturate by 10%, it is **32.5253, 0.4128, 0.2541**.

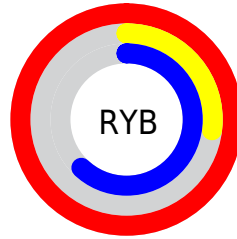
Distribution



Red (100%)

Green (27%)

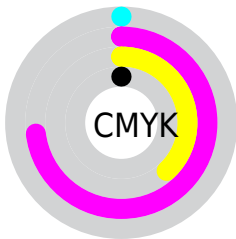
Blue (62%)



Red (100%)

Yellow (27%)

Blue (62%)

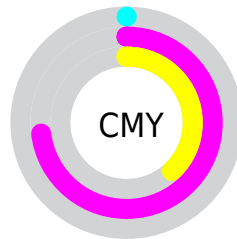


Cyan (0%)

Magenta (73%)

Yellow (38%)

Black (0%)



Cyan (0%)


Magenta (73%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1435, 0.4380, 0.2481 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 28.1435, 0.4380, 0.2481 by changing the saturation by 10% instead.


 28.1435, 0.4380,
0.2481


 28.1435, 0.4380,
0.2481

293.1520, 0.3717,
0.2899

 18.4339, 0.4556,
0.2374


 56.7135, 0.4131,
0.2635


 11.2619, 0.4787,
0.2235


 76.3426, 0.4040,
0.2693

 6.2433, 0.5103,
0.2049


 100.0470, 0.3964,
0.2741

 2.9936, 0.5557,
0.1790

 128.2110, 0.3899,
0.2782

 1.1284, 0.6249,
0.1412

 161.2192, 0.3844,
0.2817

 0.0020, 0.8276,
0.0007

199.4558, 0.3796,

 0.0000, 1.0000,

0.2848

0.0000

243.3053, 0.3754,
0.2875

■ 0.0000, 0.0000,
0.0000

■ 28.1435, 0.4380,
0.2481

■ 28.1435, 0.4380,
0.2481

■ 25.1671, 0.4642,
0.2469

■ 32.5253, 0.4128,
0.2541

■ 23.4053, 0.4900,
0.2511


■ 38.4618, 0.3898,
0.2636

■ 22.6795, 0.5084,
0.2574

■ 46.0879, 0.3695,
0.2753

■ 55.5228, 0.3521,
0.2880

■ 66.8746, 0.3374,
0.3011

 80.2428, 0.3251,
0.3139

 95.7202, 0.3150,
0.3260

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.



28.1435, 0.3089, 0.1937



28.1435, 0.4380, 0.2481



28.1435, 0.5325, 0.3172

Triad

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



28.1435, 0.4380, 0.2481



28.1435, 0.3849, 0.5497



28.1435, 0.1221, 0.1967

Complementary

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



28.1435, 0.4380, 0.2481



75.5727, 0.2672, 0.4471

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.



28.1435, 0.1323, 0.2811



28.1435, 0.4380, 0.2481



28.1435, 0.2771, 0.5451

Square

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



28.1435, 0.4380, 0.2481



28.1435, 0.4822, 0.4773



28.1435, 0.1840, 0.4229



28.1435, 0.1457, 0.1631

Rectangle

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



28.1435, 0.4380, 0.2481



28.1435, 0.5491, 0.3672



28.1435, 0.1840, 0.4229



28.1435, 0.1216, 0.2182

Sweetspot

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



28.1450, 0.4380, 0.2481



67.5453, 0.3366, 0.3018



19.6664, 0.2360, 0.1293



13.7505, 0.3403, 0.2982



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.



28.1450, 0.4380, 0.2481



24.2450, 0.4759, 0.2481



26.4807, 0.5608, 0.3320



18.1326, 0.3218, 0.3176



11.8812, 0.5045, 0.2553



1.1788, 0.4781, 0.2407

Inverse Universe

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



28.1450, 0.4380, 0.2481



24.2450, 0.4759, 0.2481



78.0866, 0.2305, 0.3251



18.1326, 0.3218, 0.3176



11.8812, 0.5045, 0.2553



1.1788, 0.4781, 0.2407

Previews

White Background



This preview shows how the Yxy color 28.1435, 0.4380, 0.2481 looks on a white background.

Color Contrast Check

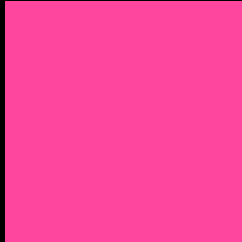
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1435, 0.4380, 0.2481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

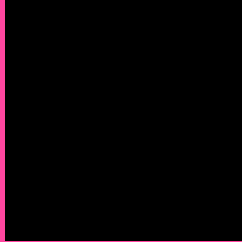
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1435, 0.4380, 0.2481

Background



This preview shows how black text looks on a background with the Yxy color 28.1435, 0.4380, 0.2481.



This preview shows how white text looks on a background with the Yxy color 28.1435, 0.4380, 0.2481.

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

28.1435, 0.4380, 0.2481

Protanopia

28.5099, 0.2441, 0.2356

Deuteranopia

28.1263, 0.3210, 0.3136



Tritanopia

28.0938, 0.5196, 0.3252

Trichromacy



Original Color

28.1435, 0.4380, 0.2481



Protanomaly

24.9791, 0.2977, 0.2284



Deuteranomaly

25.8988, 0.3637, 0.2781



Tritanomaly

27.8647, 0.4929, 0.2967

Monochromacy



Original Color

28.1435, 0.4380, 0.2481



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

22.9662, 0.3594, 0.2816

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1435, 0.4380, 0.2481 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, 70, 159)` looks like.

```
.text, #text, p{  
    color:rgb(255, 70, 159)  
}
```

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, 70, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 70, 159) }
```

Border

The CSS property to change the border of an element to Yxy 28.1435, 0.4380, 0.2481 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, 70, 159) }
```

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

```
.border{ border-color:rgb(255, 70, 159) }
```

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

Here you see how a box with a 4 pixel rgb(255, 70, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 70, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 70, 159);  
box-shadow:4px 4px 4px 4px rgb(255, 70,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1435, 0.4380, 0.2481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 70, 159) }
```

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

```
.background{ background-color: rgb(255, 70,  
159) }
```

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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