

Converting Colors

$Y_{xy}(28.8473, 0.4203, 0.2352)$

Have a look what the booklet for
Yxy(28.8473, 0.4203, 0.2352)
contains.

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Color

Yxy(28.5334, 0.4180, 0.2343)

Conversions

Conversions Part 1

Format	Color
Hex	FF45AD
RGB	255, 69, 173
RGB Percent	100%, 27%, 68%
CMY	0.0001, 0.7292, 0.3217
CMYK	0.00, 0.73, 0.32, 0.00
HSL	326°, 100%, 64%
HSV	326°, 73%, 100%
XYZ	50.9047, 28.5334, 42.3434
YIQ	136.4700, 77.4720, 71.7760

Conversions

Conversions Part 2

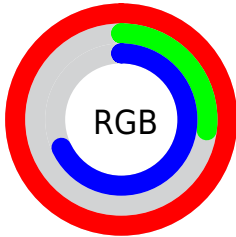
Format	Color
R _Y B	255, 69, 173
Decimal	16729517
CIE Lab	60.37, 76.88, -14.32
CIE LCh	60, 78.198, 349.451
Yxy	28.5334, 0.4180, 0.2343
Android (android.graphics.Color)	4294919597 (0xFFFF45AD)
YUV	136.4700, 18.0093, 103.9508
Hunter-Lab	53.4167, 76.6266, -9.6076

Details

The Yxy color **28.5334, 0.4180, 0.2343** 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 **75.0144, 0.2733, 0.4680**, and the grayscale version is **24.7220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3640, 0.3427, 0.2340**, and **12.7179, 0.4435, 0.2217** is the 20% darker color. If you saturate the color by 10%, you get **25.6238, 0.4393, 0.2315**, and if you desaturate by 10%, it is **32.8294, 0.3975, 0.2418**.

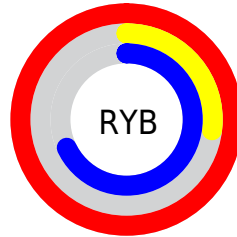
Distribution



Red (100%)

Green (27%)

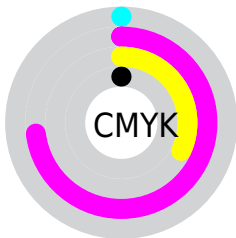
Blue (68%)



Red (100%)

Yellow (27%)

Blue (68%)

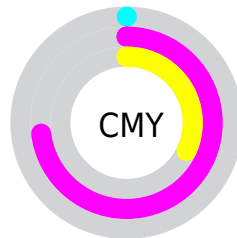


Cyan (0%)

Magenta (73%)

Yellow (32%)

Black (0%)



Cyan (0%)


Magenta (73%)

Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5334, 0.4180, 0.2343 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 28.5334, 0.4180, 0.2343 by changing the saturation by 10% instead.


 28.5334, 0.4180,
0.2343


 28.5334, 0.4180,
0.2343

295.0070, 0.3634,
0.2817

 18.7281, 0.4321,
0.2226


 57.3349, 0.3977,
0.2514


 11.4740, 0.4505,
0.2078


 77.1000, 0.3903,
0.2579


 6.3866, 0.4754,
0.1884


 100.9537, 0.3840,
0.2634

 3.0816, 0.5105,
0.1622

 129.2806, 0.3786,
0.2681

 1.1745, 0.5630,
0.1257

 162.4649, 0.3740,
0.2722

 0.0407, 0.6913,
0.0115

200.8912, 0.3700,

 0.0000, 1.0000,

0.2757

0.0000

244.9438, 0.3665,
0.2789

0.0000, 0.0000,
0.0000

28.5334, 0.4180,
0.2343

28.5334, 0.4180,
0.2343

25.6238, 0.4393,
0.2315

32.8294, 0.3975,
0.2418

23.9088, 0.4603,
0.2342

38.6613, 0.3786,
0.2530


23.2258, 0.4747,
0.2389

46.1644, 0.3617,
0.2664

55.4574, 0.3469,
0.2811

66.6485, 0.3344,
0.2961

 79.8370, 0.3238,
0.3109

 95.1153, 0.3150,
0.3250

99.9974, 0.3127,
0.3290

Harmonies

Analogous

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



28.5334, 0.2862, 0.1830



28.5334, 0.4180, 0.2343



28.5334, 0.5274, 0.3026

Triad

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



28.5334, 0.4180, 0.2343



28.5334, 0.4045, 0.5450



28.5334, 0.1172, 0.2040

Complementary

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



28.5334, 0.4180, 0.2343



75.0144, 0.2733, 0.4680

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.



28.5334, 0.1340, 0.3016



28.5334, 0.4180, 0.2343



28.5334, 0.2947, 0.5634

Square

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



28.5334, 0.4180, 0.2343



28.5334, 0.5003, 0.4633



28.5334, 0.1946, 0.4548



28.5334, 0.1351, 0.1624

Rectangle

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



28.5334, 0.4180, 0.2343



28.5334, 0.5551, 0.3523



28.5334, 0.1946, 0.4548



28.5334, 0.1186, 0.2292

Sweetspot

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



28.5349, 0.4180, 0.2343



67.7883, 0.3333, 0.2975



17.9287, 0.2224, 0.1220



13.8078, 0.3365, 0.2934



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.



28.5349, 0.4180, 0.2343



24.6201, 0.4500, 0.2322



26.1197, 0.5503, 0.3203



18.1571, 0.3206, 0.3158



12.1681, 0.4715, 0.2371



1.2068, 0.4495, 0.2250

Inverse Universe

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



28.5349, 0.4180, 0.2343



24.6201, 0.4500, 0.2322



79.2243, 0.2357, 0.3438



18.1571, 0.3206, 0.3158



12.1681, 0.4715, 0.2371



1.2068, 0.4495, 0.2250

Previews

White Background



This preview shows how the Yxy color 28.5334, 0.4180, 0.2343 looks on a white background.

Color Contrast Check

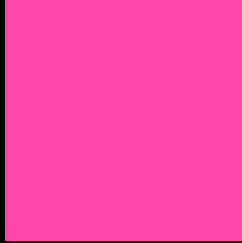
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5334, 0.4180, 0.2343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

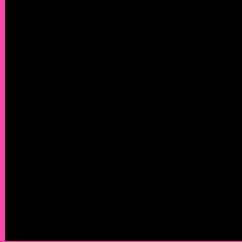
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.5334, 0.4180, 0.2343

Background



This preview shows how black text looks on a background with the Yxy color 28.5334, 0.4180, 0.2343.

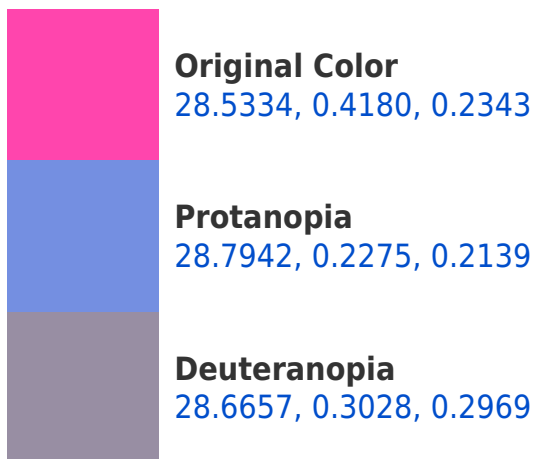


This preview shows how white text looks on a background with the Yxy color 28.5334, 0.4180, 0.2343.

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





Tritanopia

28.4664, 0.5129, 0.3250

Trichromacy



Original Color

28.5334, 0.4180, 0.2343



Protanomaly

25.1625, 0.2777, 0.2097



Deuteranomaly

25.8703, 0.3419, 0.2594



Tritanomaly

28.1510, 0.4809, 0.2911

Monochromacy



Original Color

28.5334, 0.4180, 0.2343



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

23.3420, 0.3527, 0.2762

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5334, 0.4180, 0.2343 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, 69, 173)` looks like.

```
.text, #text, p{  
  color:rgb(255, 69, 173)  
}
```

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, 69, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 69, 173) }
```

Border

The CSS property to change the border of an element to Yxy 28.5334, 0.4180, 0.2343 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, 69, 173) }
```

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

```
.border{ border-color:rgb(255, 69, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 69, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 69, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 69, 173);  
box-shadow:4px 4px 4px 4px rgb(255, 69,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5334, 0.4180, 0.2343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 69, 173) }
```

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

```
.background{ background-color: rgb(255, 69,  
173) }
```

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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