

Converting Colors

$Y_{xy}(43.1175, 0.3334, 0.2228)$

Have a look what the booklet for
Yxy(43.1175, 0.3334, 0.2228)
contains.

Yxy(43.1336, 0.3335, 0.2229)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(43.1336, 0.3335, 0.2229)

Conversions

Conversions Part 1

Format	Color
Hex	FF81EE
RGB	255, 129, 238
RGB Percent	100%, 51%, 93%
CMY	0.0000, 0.4942, 0.0665
CMYK	0.00, 0.49, 0.07, 0.00
HSL	308°, 100%, 75%
HSV	308°, 49%, 100%
XYZ	64.5359, 43.1336, 85.8415
YIQ	179.1000, 40.1070, 60.6110

Conversions

Conversions Part 2

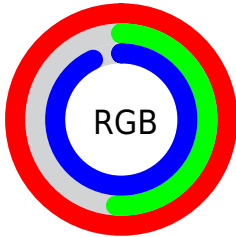
Format	Color
R _Y B	255, 129, 238
Decimal	16744942
CIE Lab	71.65, 61.68, -33.65
CIE LCh	72, 70.263, 331.388
Yxy	43.1336, 0.3335, 0.2229
Android (android.graphics.Color)	4294935022 (0xFFFF81EE)
YUV	179.1000, 29.0377, 66.5643
Hunter-Lab	65.6762, 60.4676, -31.5212

Details

The Yxy color **43.1336, 0.3335, 0.2229** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **78.2586, 0.2978, 0.4661**, and the grayscale version is **44.9552, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5978, 0.3159, 0.2614**, and **19.8782, 0.3366, 0.1992** is the 20% darker color. If you saturate the color by 10%, you get **37.0307, 0.3387, 0.2053**, and if you desaturate by 10%, it is **50.9075, 0.3285, 0.2430**.

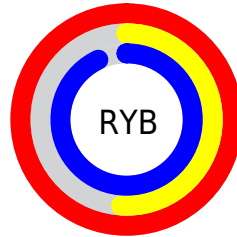
Distribution



Red (100%)

Green (51%)

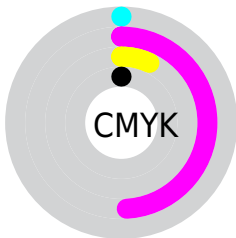
Blue (93%)



Red (100%)

Yellow (51%)

Blue (93%)

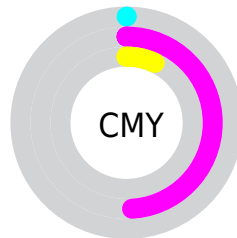


Cyan (0%)

Magenta (49%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.1336, 0.3335, 0.2229 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 43.1336, 0.3335, 0.2229 by changing the saturation by 10% instead.


 43.1336, 0.3335,
0.2229


 43.1336, 0.3335,
0.2229


359.1609, 0.3252,
0.2712

 29.9900, 0.3350,
0.2122


 79.9124, 0.3309,
0.2394

 19.8310, 0.3367,
0.1992


 104.3164, 0.3298,
0.2459

 12.2722, 0.3386,
0.1832


 133.2426, 0.3288,
0.2515

 6.9294, 0.3404,
0.1629

167.0754, 0.3279,
0.2564

 3.4180, 0.3418,
0.1368

206.1993, 0.3271,
0.2608

 1.3536, 0.3415,
0.1028

250.9986, 0.3264,

 0.1822, 0.3456,

0.2646

0.0317

301.8576, 0.3258,
0.2681

■ 0.0000, 0.3096,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.1336, 0.3335,
0.2229

■ 43.1336, 0.3335,
0.2229

■ 37.0307, 0.3387,
0.2053

■ 50.9075, 0.3285,
0.2430

■ 32.4846, 0.3440,
0.1913

■ 60.4792, 0.3238,
0.2646

■ 29.3457, 0.3491,
0.1815

■ 71.9485, 0.3196,
0.2868

■ 27.4413, 0.3541,
0.1762

■ 85.4116, 0.3158,
0.3089

■ 26.5059, 0.3587, 100.0000, 0.3127,
0.1751 0.3290

■ 26.4633, 0.3589,
0.1751

Harmonies

Analogous

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



43.1336, 0.2402, 0.1915



43.1336, 0.3335, 0.2229



43.1336, 0.4358, 0.2749

Triad

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



43.1336, 0.3335, 0.2229



43.1336, 0.4455, 0.4752



43.1336, 0.1549, 0.2738

Complementary

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



43.1336, 0.3335, 0.2229



78.2586, 0.2978, 0.4661

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.



43.1336, 0.1943, 0.3790



43.1336, 0.3335, 0.2229



43.1336, 0.3611, 0.5157

Square

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



43.1336, 0.3335, 0.2229



43.1336, 0.5004, 0.4076



43.1336, 0.2692, 0.4835



43.1336, 0.1510, 0.2101

Rectangle

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



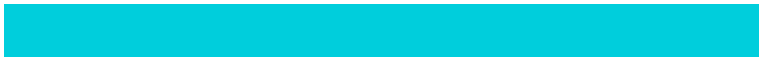
43.1336, 0.3335, 0.2229



43.1336, 0.4859, 0.3166



43.1336, 0.2692, 0.4835



43.1336, 0.1638, 0.3050

Sweetspot

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



43.1293, 0.3335, 0.2229



77.6497, 0.3179, 0.2966



29.0048, 0.2286, 0.1759



16.0279, 0.3187, 0.2919



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.



43.1293, 0.3335, 0.2229



37.2554, 0.3385, 0.2060



40.0564, 0.3995, 0.2815



18.2558, 0.3159, 0.3087



13.8440, 0.3582, 0.1747



1.3591, 0.3533, 0.1720

Inverse Universe

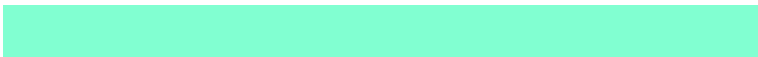
The Inverse Universe completely reimagines the original color for something new.



43.1293, 0.3335, 0.2229



37.2554, 0.3385, 0.2060



80.7783, 0.2682, 0.3849



18.2558, 0.3159, 0.3087



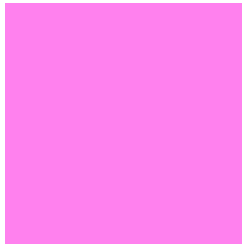
13.8440, 0.3582, 0.1747



1.3591, 0.3533, 0.1720

Previews

White Background



This preview shows how the Yxy color 43.1336, 0.3335, 0.2229 looks on a white background.

Color Contrast Check

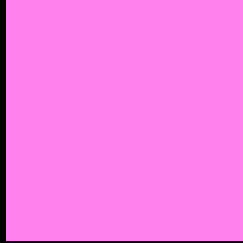
Large Text (above 18pt) WCAG AA × Fail

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 43.1336, 0.3335, 0.2229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

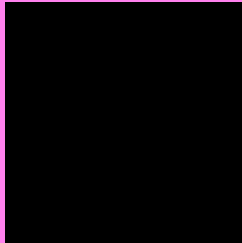
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.1336, 0.3335, 0.2229

Background



This preview shows how black text looks on a background with the Yxy color 43.1336, 0.3335, 0.2229.

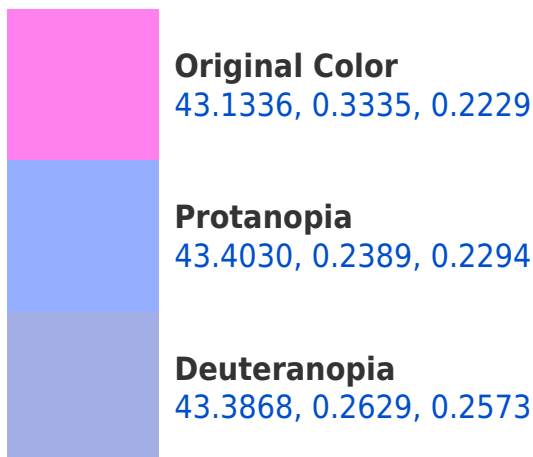


This preview shows how white text looks on a background with the Yxy color 43.1336, 0.3335, 0.2229.

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

42.9289, 0.4036, 0.3173

Trichromacy



Original Color

43.1336, 0.3335, 0.2229



Protanomaly

41.5183, 0.2667, 0.2230



Deuteranomaly

41.7329, 0.2850, 0.2401



Tritanomaly

42.4838, 0.3775, 0.2793

Monochromacy



Original Color

43.1336, 0.3335, 0.2229



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

42.9253, 0.3213, 0.2821

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.1336, 0.3335, 0.2229 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, 129, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 129, 238)  
}
```

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, 129, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 129, 238) }
```

Border

The CSS property to change the border of an element to Yxy 43.1336, 0.3335, 0.2229 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, 129, 238) }
```

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

```
.border{ border-color:rgb(255, 129, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 129, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 129, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 129, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 129,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 43.1336, 0.3335, 0.2229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 129, 238) }
```

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

```
.background{ background-color: rgb(255,  
129, 238) }
```

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