

Converting Colors

$Y_{xy}(68.0699, 0.4230, 0.2560)$

Have a look what the booklet for
Yxy(68.0699, 0.4230, 0.2560)
contains.

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Color

Yxy(43.1658, 0.3372, 0.2271)

Conversions

Conversions Part 1

Format	Color
Hex	FF82EA
RGB	255, 130, 234
RGB Percent	100%, 51%, 92%
CMY	0.0000, 0.4904, 0.0822
CMYK	0.00, 0.49, 0.08, 0.00
HSL	310°, 100%, 75%
HSV	310°, 49%, 100%
XYZ	64.0929, 43.1658, 82.8152
YIQ	179.2310, 41.1160, 58.8440

Conversions

Conversions Part 2

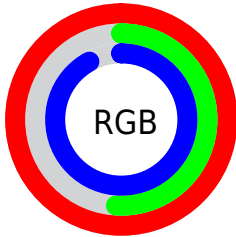
Format	Color
R _Y B	255, 130, 234
Decimal	16745194
CIE Lab	71.67, 60.58, -31.41
CIE LCh	72, 68.241, 332.592
Yxy	43.1658, 0.3372, 0.2271
Android (android.graphics.Color)	4294935274 (0xFFFF82EA)
YUV	179.2310, 27.0011, 66.4494
Hunter-Lab	65.7007, 59.1558, -28.7441

Details

The Yxy color **43.1658, 0.3372, 0.2271** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **78.4948, 0.2960, 0.4596**, and the grayscale version is **45.0331, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5978, 0.3159, 0.2614**, and **19.8477, 0.3417, 0.2040** is the 20% darker color. If you saturate the color by 10%, you get **36.9524, 0.3435, 0.2099**, and if you desaturate by 10%, it is **51.0467, 0.3311, 0.2467**.

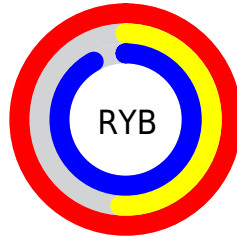
Distribution



Red (100%)

Green (51%)

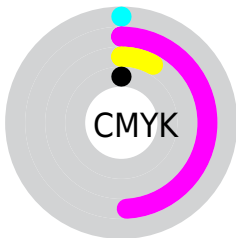
Blue (92%)



Red (100%)

Yellow (51%)

Blue (92%)

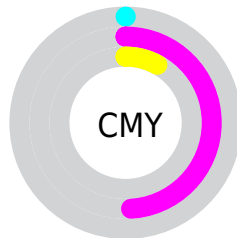


Cyan (0%)

Magenta (49%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.1658, 0.3372, 0.2271 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 43.1658, 0.3372, 0.2271 by changing the saturation by 10% instead.


 43.1658, 0.3372,
0.2271

 43.1658, 0.3372,
0.2271


359.2932, 0.3269,
0.2737


 30.0152, 0.3393,
0.2167


 79.9610, 0.3339,
0.2431

 19.8501, 0.3416,
0.2041


 104.3744, 0.3325,
0.2494

 12.2862, 0.3444,
0.1883


 133.3109, 0.3313,
0.2548

 6.9389, 0.3475,
0.1684

167.1548, 0.3302,
0.2595

 3.4239, 0.3507,
0.1425

206.2907, 0.3292,
0.2637

 1.3568, 0.3533,
0.1084

251.1027, 0.3284,

 0.1846, 0.3632,

0.2674

0.0345

301.9754, 0.3276,
0.2707

■ 0.0000, 0.3322,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.1658, 0.3372,
0.2271

■ 43.1658, 0.3372,
0.2271

■ 36.9524, 0.3435,
0.2099

■ 51.0467, 0.3311,
0.2467

■ 32.3081, 0.3501,
0.1961

■ 60.7369, 0.3256,
0.2677

■ 29.0791, 0.3567,
0.1865

■ 72.3306, 0.3206,
0.2892

■ 27.0941, 0.3630,
0.1816

■ 85.9238, 0.3162,
0.3104

■ 26.0993, 0.3690,
0.1809

100.0000, 0.3127,
0.3290

■ 26.0250, 0.3695,
0.1809

Harmonies

Analogous

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



43.1658, 0.2453, 0.1953



43.1658, 0.3372, 0.2271



43.1658, 0.4358, 0.2788

Triad

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



43.1658, 0.3372, 0.2271



43.1658, 0.4400, 0.4745



43.1658, 0.1578, 0.2724

Complementary

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



43.1658, 0.3372, 0.2271



78.4948, 0.2960, 0.4596

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.



43.1658, 0.1952, 0.3731



43.1658, 0.3372, 0.2271



43.1658, 0.3571, 0.5107

Square

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



43.1658, 0.3372, 0.2271



43.1658, 0.4946, 0.4095



43.1658, 0.2674, 0.4753



43.1658, 0.1550, 0.2116

Rectangle

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



43.1658, 0.3372, 0.2271



43.1658, 0.4831, 0.3201



43.1658, 0.2674, 0.4753



43.1658, 0.1662, 0.3022

Sweetspot

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



43.1564, 0.3371, 0.2271



77.5706, 0.3187, 0.2978



29.7345, 0.2323, 0.1783



16.0086, 0.3197, 0.2933



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.



43.1564, 0.3371, 0.2271



36.9717, 0.3435, 0.2099



40.1791, 0.4033, 0.2861



18.2450, 0.3164, 0.3094



13.6180, 0.3686, 0.1804



1.3392, 0.3622, 0.1769

Inverse Universe

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



43.1564, 0.3371, 0.2271



36.9717, 0.3435, 0.2099



81.0829, 0.2665, 0.3791



18.2450, 0.3164, 0.3094



13.6180, 0.3686, 0.1804



1.3392, 0.3622, 0.1769

Previews

White Background



This preview shows how the Yxy color 43.1658, 0.3372, 0.2271 looks on a white background.

Color Contrast Check

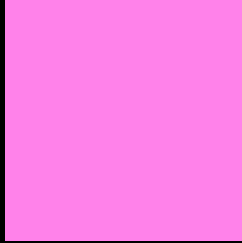
Large Text (above 18pt) WCAG AA × Fail

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 43.1658, 0.3372, 0.2271 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 43.1658, 0.3372, 0.2271

Background



This preview shows how black text looks on a background with the Yxy color 43.1658, 0.3372, 0.2271.

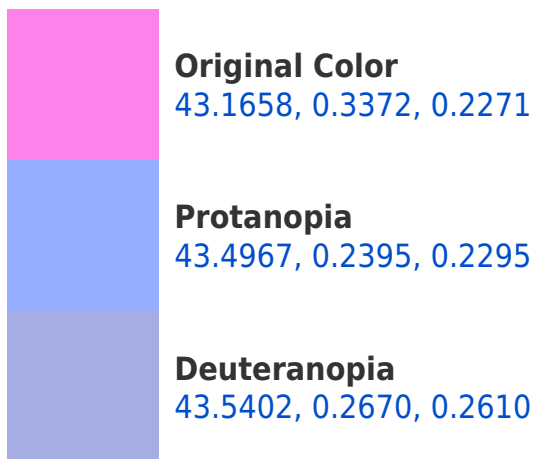


This preview shows how white text looks on a background with the Yxy color 43.1658, 0.3372, 0.2271.

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

43.1658, 0.3372, 0.2271



Protanomaly

41.5207, 0.2687, 0.2250



Deuteranomaly

41.8329, 0.2889, 0.2435



Tritanomaly

42.7347, 0.3783, 0.2814

Monochromacy



Original Color

43.1658, 0.3372, 0.2271



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

42.8787, 0.3222, 0.2832

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.1658, 0.3372, 0.2271 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, 130, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 130, 234)  
}
```

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, 130, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 130, 234) }
```

Border

The CSS property to change the border of an element to Yxy 43.1658, 0.3372, 0.2271 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, 130, 234) }
```

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

```
.border{ border-color:rgb(255, 130, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 130, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 130, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 130, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 130,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 43.1658, 0.3372, 0.2271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 130, 234) }
```

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

```
.background{ background-color: rgb(255,  
130, 234) }
```

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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