

Converting Colors

$Y_{xy}(47.9305, 0.3331, 0.2380)$

Have a look what the booklet for
Yxy(47.9305, 0.3331, 0.2380)
contains.

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Color

Yxy(47.6838, 0.3322, 0.2372)

Conversions

Conversions Part 1

Format	Color
Hex	FF91EE
RGB	255, 145, 238
RGB Percent	100%, 57%, 93%
CMY	0.0002, 0.4312, 0.0667
CMYK	0.00, 0.43, 0.07, 0.00
HSL	309°, 100%, 78%
HSV	309°, 43%, 100%
XYZ	66.7814, 47.6838, 86.5626
YIQ	188.4920, 35.7070, 52.2430

Conversions

Conversions Part 2

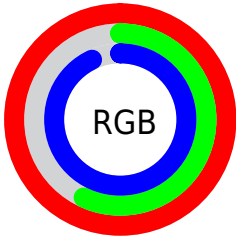
Format	Color
R_{YB}	255, 145, 238
Decimal	16749038
CIE _{Lab}	74.63, 53.88, -29.03
CIE _{LCh}	75, 61.200, 331.687
Yxy	47.6838, 0.3322, 0.2372
Android (android.graphics.Color)	4294939118 (0xFFFF91EE)
YUV	188.4920, 24.4074, 58.3275
Hunter-Lab	69.0535, 51.7834, -25.9861

Details

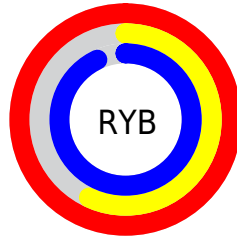
The Yxy color **47.6838, 0.3322, 0.2372** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.1182, 0.2983, 0.4430**, and the grayscale version is **50.4308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2533, 0.3152, 0.2762**, and **22.5953, 0.3350, 0.2166** is the 20% darker color. If you saturate the color by 10%, you get **40.5179, 0.3379, 0.2182**, and if you desaturate by 10%, it is **56.6072, 0.3268, 0.2580**.

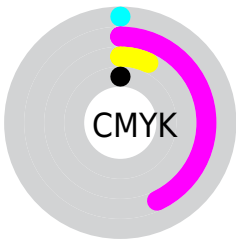
Distribution



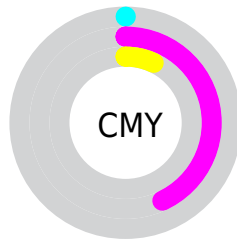
- Red (100%)
- Green (57%)
- Blue (93%)



- Red (100%)
- Yellow (57%)
- Blue (93%)



- Cyan (0%)
- Magenta (43%)
- Yellow (7%)
- Black (0%)





- Cyan (0%)
- Magenta (43%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6838, 0.3322, 0.2372 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 47.6838, 0.3322, 0.2372 by changing the saturation by 10% instead.


 47.6838, 0.3322,
0.2372

 47.6838, 0.3322,
0.2372


377.5374, 0.3241,
0.2790

 33.5766, 0.3338,
0.2279


 86.7334, 0.3296,
0.2515

 22.5685, 0.3356,
0.2166


 112.4446, 0.3285,
0.2571

 14.2752, 0.3377,
0.2025


142.7925, 0.3276,
0.2620

 8.3123, 0.3400,
0.1845

178.1616, 0.3267,
0.2663

 4.2954, 0.3425,
0.1611

218.9362, 0.3260,
0.2700

 1.8402, 0.3444,
0.1298

265.5008, 0.3253,

 0.5120, 0.3462,

0.2733

0.0801

318.2398, 0.3247,
0.2763

■ 0.0000, 0.3417,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.6838, 0.3322,
0.2372

■ 47.6838, 0.3322,
0.2372

■ 40.5179, 0.3379,
0.2182

■ 56.6072, 0.3268,
0.2580

■ 34.9846, 0.3439,
0.2021

■ 67.3891, 0.3220,
0.2797

■ 30.9532, 0.3500,
0.1898

■ 80.1302, 0.3176,
0.3014

■ 28.2697, 0.3559,
0.1819

■ 94.9224, 0.3138,
0.3226

■ 26.7472, 0.3615,
0.1786

99.9899, 0.3127,
0.3290

■ 26.1874, 0.3652,
0.1785

Harmonies

Analogous

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



47.6838, 0.2518, 0.2090



47.6838, 0.3322, 0.2372



47.6838, 0.4175, 0.2839

Triad

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



47.6838, 0.3322, 0.2372



47.6838, 0.4295, 0.4582



47.6838, 0.1754, 0.2835

Complementary

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



47.6838, 0.3322, 0.2372



80.1182, 0.2983, 0.4430

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.



47.6838, 0.2114, 0.3708



47.6838, 0.3322, 0.2372



47.6838, 0.3571, 0.4861

Square

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



47.6838, 0.3322, 0.2372



47.6838, 0.4743, 0.4025



47.6838, 0.2772, 0.4552



47.6838, 0.1713, 0.2272

Rectangle

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



47.6838, 0.3322, 0.2372



47.6838, 0.4595, 0.3215



47.6838, 0.2772, 0.4552



47.6838, 0.1838, 0.3100

Sweetspot

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



47.6860, 0.3322, 0.2372



80.3178, 0.3176, 0.3016



35.1124, 0.2426, 0.1982



16.5509, 0.3185, 0.2969



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.



47.6860, 0.3322, 0.2372



41.2490, 0.3373, 0.2202



44.9538, 0.3855, 0.2891



18.2494, 0.3162, 0.3091



13.7081, 0.3643, 0.1781



1.3471, 0.3586, 0.1749

Inverse Universe

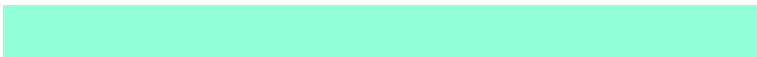
The Inverse Universe completely reimagines the original color for something new.



47.6860, 0.3322, 0.2372



41.2490, 0.3373, 0.2202



82.4922, 0.2717, 0.3742



18.2494, 0.3162, 0.3091



13.7081, 0.3643, 0.1781



1.3471, 0.3586, 0.1749

Previews

White Background



This preview shows how the Yxy color 47.6838, 0.3322, 0.2372 looks on a white background.

Color Contrast Check

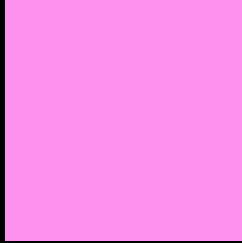
Large Text (above 18pt) WCAG AA × Fail

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 47.6838, 0.3322, 0.2372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

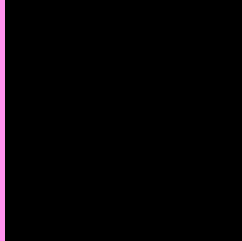
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.6838, 0.3322, 0.2372

Background



This preview shows how black text looks on a background with the Yxy color 47.6838, 0.3322, 0.2372.

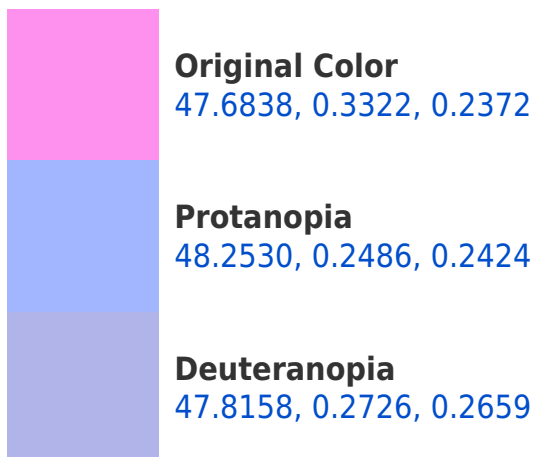


This preview shows how white text looks on a background with the Yxy color 47.6838, 0.3322, 0.2372.

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

47.5107, 0.3867, 0.3162

Trichromacy



Original Color

47.6838, 0.3322, 0.2372



Protanomaly

46.8176, 0.2738, 0.2383



Deuteranomaly

46.5571, 0.2920, 0.2525



Tritanomaly

47.3753, 0.3669, 0.2858

Monochromacy



Original Color

47.6838, 0.3322, 0.2372



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

47.9583, 0.3198, 0.2892

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6838, 0.3322, 0.2372 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, 145, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 145, 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, 145, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 145, 238) }
```

Border

The CSS property to change the border of an element to Yxy 47.6838, 0.3322, 0.2372 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, 145, 238) }
```

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

```
.border{ border-color:rgb(255, 145, 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, 145, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 145, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 145, 238); box-shadow:4px 4px 4px 4px rgb(255, 145, 238) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6838, 0.3322, 0.2372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 145, 238) }
```

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

```
.background{ background-color: rgb(255,  
145, 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](#).

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