

Converting Colors

Yxy(63.1726, 0.3926, 0.2548)

Have a look what the booklet for
Yxy(63.1726, 0.3926, 0.2548)
contains.

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Color

Yxy(47.3209, 0.3332, 0.2371)

Conversions

Conversions Part 1

Format	Color
Hex	FF90ED
RGB	255, 144, 237
RGB Percent	100%, 56%, 93%
CMY	0.0000, 0.4353, 0.0705
CMYK	0.00, 0.44, 0.07, 0.00
HSL	310°, 100%, 78%
HSV	310°, 44%, 100%
XYZ	66.5007, 47.3209, 85.7604
YIQ	187.7910, 36.3030, 52.4550

Conversions

Conversions Part 2

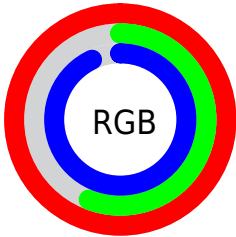
Format	Color
R _Y B	255, 144, 237
Decimal	16748781
CIE Lab	74.39, 54.25, -28.85
CIE LCh	74, 61.443, 331.996
Yxy	47.3209, 0.3332, 0.2371
Android (android.graphics.Color)	4294938861 (0xFFFF90ED)
YUV	187.7910, 24.2600, 58.9423
Hunter-Lab	68.7902, 52.1764, -25.7634

Details

The Yxy color $47.3209, 0.3332, 0.2371$ is a light color, and the websafe version is hex FF99FF . A complement of this color would be $80.0579, 0.2977, 0.4432$, and the grayscale version is $50.0106, 0.3127, 0.3290$.

A 20% lighter version of the original color is $69.7886, 0.3152, 0.2752$, and $22.3843, 0.3363, 0.2166$ is the 20% darker color. If you saturate the color by 10%, you get $40.2124, 0.3392, 0.2184$, and if you desaturate by 10%, it is $56.1834, 0.3276, 0.2577$.

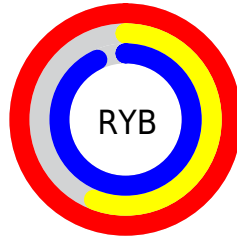
Distribution



Red (100%)

Green (56%)

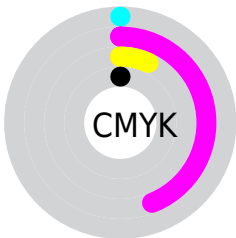
Blue (93%)



Red (100%)

Yellow (56%)

Blue (93%)

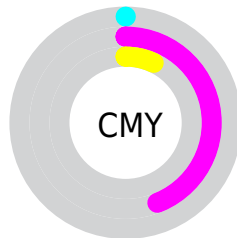


Cyan (0%)

Magenta (44%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (44%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.3209, 0.3332, 0.2371 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 47.3209, 0.3332, 0.2371 by changing the saturation by 10% instead.


 47.3209, 0.3332,
0.2371


 47.3209, 0.3332,
0.2371


376.0940, 0.3246,
0.2790

 33.2894, 0.3349,
0.2278


 86.1924, 0.3304,
0.2515

 22.3482, 0.3369,
0.2164


 111.8013, 0.3293,
0.2571

 14.1130, 0.3392,
0.2022


142.0380, 0.3283,
0.2620

 8.1993, 0.3418,
0.1842

177.2870, 0.3274,
0.2662

 4.2227, 0.3445,
0.1607

217.9327, 0.3266,
0.2700

 1.7989, 0.3469,
0.1291

264.3595, 0.3259,

 0.4865, 0.3500,

0.2733

0.0780

316.9518, 0.3252,
0.2763

0.0000, 0.3453,
0.0000

0.0000, 0.0000,
0.0000

47.3209, 0.3332,
0.2371

47.3209, 0.3332,
0.2371

40.2124, 0.3392,
0.2184

56.1834, 0.3276,
0.2577

34.7326, 0.3455,
0.2025

66.9015, 0.3225,
0.2792

30.7500, 0.3519,
0.1904

79.5765, 0.3180,
0.3008

28.1094, 0.3581,
0.1828

94.3003, 0.3140,
0.3218

■ 26.6220, 0.3640,
0.1799

100.0000, 0.3127,
0.3290

■ 26.0988, 0.3677,
0.1799

Harmonies

Analogous

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



47.3209, 0.2521, 0.2085



47.3209, 0.3332, 0.2371



47.3209, 0.4190, 0.2842

Triad

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



47.3209, 0.3332, 0.2371



47.3209, 0.4294, 0.4593



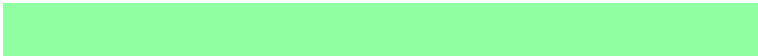
47.3209, 0.1745, 0.2824

Complementary

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



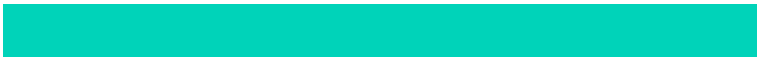
47.3209, 0.3332, 0.2371



80.0579, 0.2977, 0.4432

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.



47.3209, 0.2102, 0.3700



47.3209, 0.3332, 0.2371



47.3209, 0.3564, 0.4872

Square

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



47.3209, 0.3332, 0.2371



47.3209, 0.4750, 0.4033



47.3209, 0.2761, 0.4555



47.3209, 0.1706, 0.2261

Rectangle

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



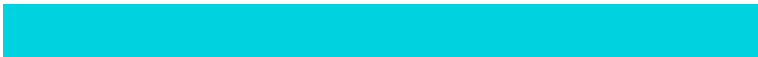
47.3209, 0.3332, 0.2371



47.3209, 0.4609, 0.3220



47.3209, 0.2761, 0.4555



47.3209, 0.1827, 0.3089

Sweetspot

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



47.3230, 0.3332, 0.2371



80.3018, 0.3177, 0.3019



34.7088, 0.2418, 0.1967



16.5469, 0.3187, 0.2972



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.



47.3230, 0.3332, 0.2371



41.1901, 0.3383, 0.2211



44.6204, 0.3866, 0.2887



18.2468, 0.3163, 0.3093



13.6560, 0.3668, 0.1794



1.3426, 0.3607, 0.1760

Inverse Universe

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



47.3230, 0.3332, 0.2371



41.1901, 0.3383, 0.2211



82.4153, 0.2714, 0.3747



18.2468, 0.3163, 0.3093



13.6560, 0.3668, 0.1794



1.3426, 0.3607, 0.1760

Previews

White Background



This preview shows how the Yxy color 47.3209, 0.3332, 0.2371 looks on a white background.

Color Contrast Check

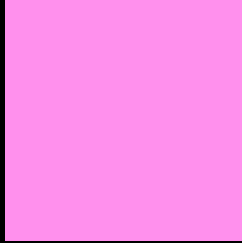
Large Text (above 18pt) WCAG AA × Fail

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 47.3209, 0.3332, 0.2371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

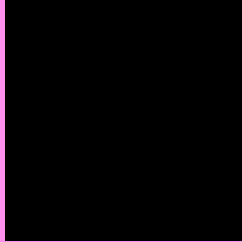
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.3209, 0.3332, 0.2371

Background



This preview shows how black text looks on a background with the Yxy color 47.3209, 0.3332, 0.2371.

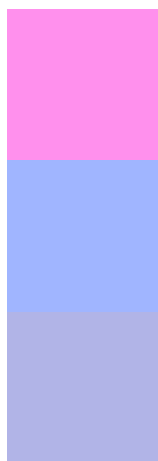


This preview shows how white text looks on a background with the Yxy color 47.3209, 0.3332, 0.2371.

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

47.3209, 0.3332, 0.2371

Protanopia

47.7413, 0.2478, 0.2411

Deuteranopia

47.7591, 0.2732, 0.2670



Tritanopia

47.1302, 0.3881, 0.3162

Trichromacy



Original Color

47.3209, 0.3332, 0.2371



Protanomaly

46.3847, 0.2744, 0.2381



Deuteranomaly

46.4998, 0.2928, 0.2535



Tritanomaly

47.0015, 0.3682, 0.2858

Monochromacy



Original Color

47.3209, 0.3332, 0.2371



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 47.3209, 0.3332, 0.2371 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, 144, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 237)  
}
```

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, 144, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 237) }
```

Border

The CSS property to change the border of an element to Yxy 47.3209, 0.3332, 0.2371 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, 144, 237) }
```

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

```
.border{ border-color:rgb(255, 144, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 144, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 47.3209, 0.3332, 0.2371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 144, 237) }
```

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

```
.background{ background-color: rgb(255,  
144, 237) }
```

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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