

Converting Colors

$Y_{xy}(47.0695, 0.3386, 0.2426)$

Have a look what the booklet for
Yxy(47.0695, 0.3386, 0.2426)
contains.

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Color

Yxy(46.9760, 0.3386, 0.2424)

Conversions

Conversions Part 1

Format	Color
Hex	FF90E7
RGB	255, 144, 231
RGB Percent	100%, 56%, 91%
CMY	0.0002, 0.4351, 0.0942
CMYK	0.00, 0.43, 0.09, 0.00
HSL	313°, 100%, 78%
HSV	313°, 43%, 100%
XYZ	65.6191, 46.9760, 81.2003
YIQ	187.1070, 38.2290, 50.5890

Conversions

Conversions Part 2

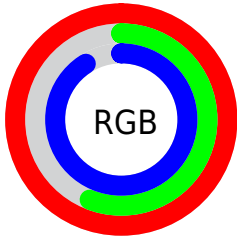
Format	Color
R _Y B	255, 144, 231
Decimal	16748775
CIE _{Lab}	74.17, 53.23, -25.90
CIE _{LCh}	74, 59.192, 334.057
Yxy	46.9760, 0.3386, 0.2424
Android (android.graphics.Color)	4294938855 (0xFFFF90E7)
YUV	187.1070, 21.6392, 59.5422
Hunter-Lab	68.5390, 50.9522, -22.2653

Details

The Yxy color **46.9760, 0.3386, 0.2424** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.2429, 0.2948, 0.4356**, and the grayscale version is **49.6211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.7886, 0.3152, 0.2752**, and **22.1432, 0.3439, 0.2229** is the 20% darker color. If you saturate the color by 10%, you get **39.7986, 0.3465, 0.2245**, and if you desaturate by 10%, it is **55.9111, 0.3313, 0.2620**.

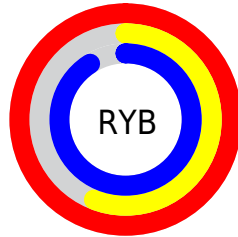
Distribution



Red (100%)

Green (56%)

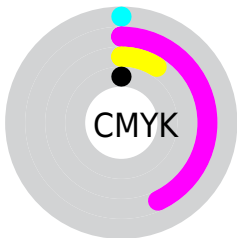
Blue (91%)



Red (100%)

Yellow (56%)

Blue (91%)

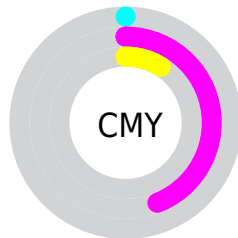


Cyan (0%)

Magenta (43%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (44%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9760, 0.3386, 0.2424 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 46.9760, 0.3386, 0.2424 by changing the saturation by 10% instead.


 46.9760, 0.3386,
0.2424


 46.9760, 0.3386,
0.2424


374.7187, 0.3272,
0.2822

 33.0167, 0.3410,
0.2335


 85.6778, 0.3348,
0.2561

 22.1392, 0.3440,
0.2225


 111.1891, 0.3332,
0.2614

 13.9592, 0.3475,
0.2088


141.3198, 0.3319,
0.2661

 8.0923, 0.3518,
0.1913

176.4543, 0.3307,
0.2701

 4.1541, 0.3571,
0.1681

216.9771, 0.3297,
0.2737

 1.7601, 0.3635,
0.1366

263.2725, 0.3288,

 0.4621, 0.3742,

0.2768

0.0826

315.7249, 0.3279,
0.2796

0.0000, 0.3809,
0.0000

0.0000, 0.0000,
0.0000

46.9760, 0.3386,
0.2424

46.9760, 0.3386,
0.2424

39.7986, 0.3465,
0.2245

55.9111, 0.3313,
0.2620

34.2536, 0.3550,
0.2094

66.7053, 0.3249,
0.2823

30.2095, 0.3636,
0.1981

79.4599, 0.3192,
0.3026

27.5112, 0.3723,
0.1913

94.2669, 0.3143,
0.3223

■ 25.9701, 0.3806,
0.1892

99.9888, 0.3127,
0.3290

■ 25.4130, 0.3859,
0.1899

Harmonies

Analogous

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



46.9760, 0.2589, 0.2131



46.9760, 0.3386, 0.2424



46.9760, 0.4204, 0.2894

Triad

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



46.9760, 0.3386, 0.2424



46.9760, 0.4221, 0.4587



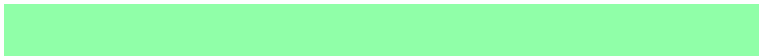
46.9760, 0.1772, 0.2794

Complementary

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



46.9760, 0.3386, 0.2424



80.2429, 0.2948, 0.4356

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.



46.9760, 0.2101, 0.3625



46.9760, 0.3386, 0.2424



46.9760, 0.3503, 0.4815

Square

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



46.9760, 0.3386, 0.2424



46.9760, 0.4683, 0.4060



46.9760, 0.2726, 0.4462



46.9760, 0.1754, 0.2269

Rectangle

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



46.9760, 0.3386, 0.2424



46.9760, 0.4589, 0.3267



46.9760, 0.2726, 0.4462



46.9760, 0.1846, 0.3044

Sweetspot

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



46.9782, 0.3386, 0.2424



80.1903, 0.3189, 0.3036



35.3081, 0.2458, 0.1982



16.5192, 0.3201, 0.2991



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.



46.9782, 0.3386, 0.2424



40.7882, 0.3453, 0.2271



44.3962, 0.3924, 0.2945



18.2292, 0.3171, 0.3106



13.3089, 0.3846, 0.1892



1.3117, 0.3759, 0.1844

Inverse Universe

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



46.9782, 0.3386, 0.2424



40.7882, 0.3453, 0.2271



82.6722, 0.2687, 0.3679



18.2292, 0.3171, 0.3106



13.3089, 0.3846, 0.1892



1.3117, 0.3759, 0.1844

Previews

White Background



This preview shows how the Yxy color 46.9760, 0.3386, 0.2424 looks on a white background.

Color Contrast Check

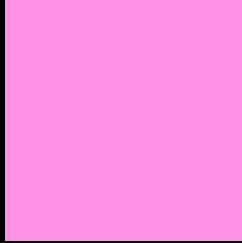
Large Text (above 18pt) WCAG AA × Fail

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 46.9760, 0.3386, 0.2424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

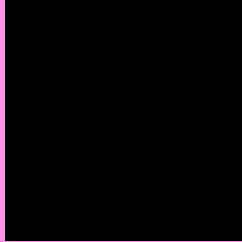
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.9760, 0.3386, 0.2424

Background



This preview shows how black text looks on a background with the Yxy color 46.9760, 0.3386, 0.2424.

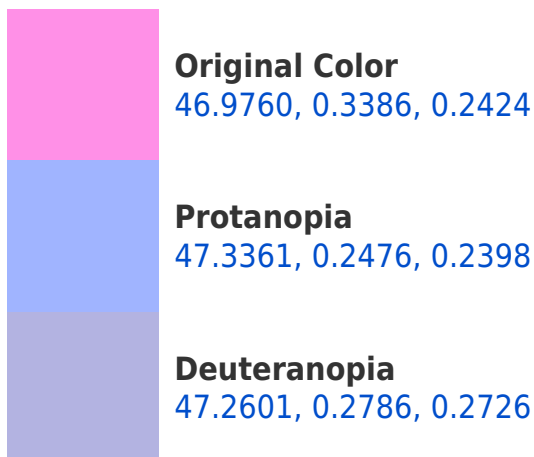


This preview shows how white text looks on a background with the Yxy color 46.9760, 0.3386, 0.2424.

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

46.9350, 0.3903, 0.3163

Trichromacy



Original Color

46.9760, 0.3386, 0.2424



Protanomaly

45.8934, 0.2757, 0.2389



Deuteranomaly

46.0839, 0.2989, 0.2588



Tritanomaly

46.7715, 0.3713, 0.2869

Monochromacy



Original Color

46.9760, 0.3386, 0.2424



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

47.4347, 0.3224, 0.2913

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9760, 0.3386, 0.2424 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, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 231)  
}
```

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, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 231) }
```

Border

The CSS property to change the border of an element to Yxy 46.9760, 0.3386, 0.2424 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, 231) }
```

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

```
.border{ border-color:rgb(255, 144, 231) }
```

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, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9760, 0.3386, 0.2424 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, 231) }
```

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

```
.background{ background-color: rgb(255,  
144, 231) }
```

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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