

# Converting Colors

$Y_{xy}(47.4975, 0.3262, 0.2294)$

Have a look what the booklet for  
Yxy(47.4975, 0.3262, 0.2294)  
contains.

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# Color

**Yxy(47.4975, 0.3262, 0.2294)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8FF5
RGB	255, 143, 245
RGB Percent	100%, 56%, 96%
CMY	0.0001, 0.4391, 0.0391
CMYK	0.00, 0.44, 0.04, 0.00
HSL	305°, 100%, 78%
HSV	305°, 44%, 100%
XYZ	67.5400, 47.4975, 92.0135
YIQ	188.1160, 34.0100, 55.4660

# Conversions

## Conversions Part 2

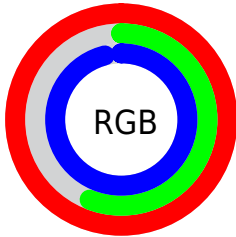
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 143, 245
Decimal	16748533
CIE Lab	74.51, 56.07, -33.04
CIE LCh	75, 65.076, 329.488
Yxy	47.4975, 0.3262, 0.2294
Android (android.graphics.Color)	4294938613 (0xFFFF8FF5)
YUV	188.1160, 28.0438, 58.6573
Hunter-Lab	68.9184, 54.3227, -30.9156

# Details

The Yxy color  $47.4975, 0.3262, 0.2294$  is a light color, and the websafe version is hex  $FF99FF$ . A complement of this color would be  $79.6451, 0.3016, 0.4546$ , and the grayscale version is  $50.1846, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $69.3268, 0.3153, 0.2742$ , and  $22.3460, 0.3280, 0.2075$  is the 20% darker color. If you saturate the color by 10%, you get  $40.5560, 0.3298, 0.2097$ , and if you desaturate by 10%, it is  $56.1846, 0.3227, 0.2513$ .

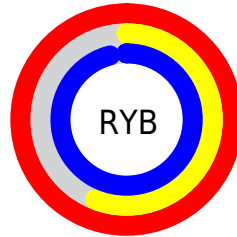
# Distribution



Red (100%)

Green (56%)

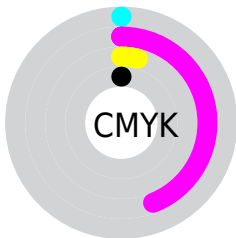
Blue (96%)



Red (100%)

Yellow (56%)

Blue (96%)

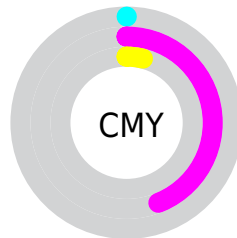


Cyan (0%)

Magenta (44%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (44%)


Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4975, 0.3262, 0.2294 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 47.4975, 0.3262, 0.2294 by changing the saturation by 10% instead.




 47.4975, 0.3262,  
0.2294


 47.4975, 0.3262,  
0.2294


376.7969, 0.3213,  
0.2744

 33.4291, 0.3270,  
0.2195


 86.4558, 0.3248,  
0.2447

 22.4554, 0.3277,  
0.2075


 112.1144, 0.3241,  
0.2508

 14.1919, 0.3284,  
0.1927


142.4053, 0.3236,  
0.2560

 8.2542, 0.3288,  
0.1740

177.7128, 0.3230,  
0.2606

 4.2581, 0.3285,  
0.1499

218.4213, 0.3225,  
0.2646

 1.8189, 0.3261,  
0.1182

264.9152, 0.3221,

 0.4989, 0.3208,

0.2682

317.5790, 0.3217,  
0.2715

0.0698

0.0000, 0.3026,  
0.0000

0.0000, 0.0000,  
0.0000

47.4975, 0.3262,  
0.2294

47.4975, 0.3262,  
0.2294

40.5560, 0.3298,  
0.2097

56.1846, 0.3227,  
0.2513

35.2341, 0.3335,  
0.1931

66.7190, 0.3194,  
0.2742

31.3998, 0.3370,  
0.1803

79.2022, 0.3164,  
0.2975

28.8970, 0.3403,  
0.1721

93.7265, 0.3137,  
0.3203

■ 27.5352, 0.3434,  
0.1682

99.9956, 0.3127,  
0.3290

■ 27.0995, 0.3451,  
0.1675

# Harmonies

## Analogous

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



47.4975, 0.2427, 0.2016



47.4975, 0.3262, 0.2294



47.4975, 0.4181, 0.2769

# Triad

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



47.4975, 0.3262, 0.2294



47.4975, 0.4399, 0.4607



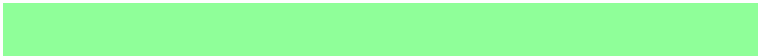
47.4975, 0.1696, 0.2857

# Complementary

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



47.4975, 0.3262, 0.2294



79.6451, 0.3016, 0.4546

# 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.



47.4975, 0.2093, 0.3807



47.4975, 0.3262, 0.2294



47.4975, 0.3645, 0.4959

# Square

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



47.4975, 0.3262, 0.2294



47.4975, 0.4853, 0.4001



47.4975, 0.2802, 0.4695



47.4975, 0.1633, 0.2240



# Rectangle

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



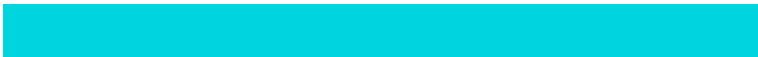
47.4975, 0.3262, 0.2294



47.4975, 0.4650, 0.3157



47.4975, 0.2802, 0.4695



47.4975, 0.1790, 0.3146

# Sweetspot

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



47.4996, 0.3262, 0.2294



80.4546, 0.3161, 0.2996



33.5774, 0.2358, 0.1937



16.5851, 0.3168, 0.2945



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.



47.4996, 0.3262, 0.2294



41.1271, 0.3295, 0.2114



44.6087, 0.3796, 0.2808



18.2709, 0.3152, 0.3076



14.1746, 0.3447, 0.1672



1.3880, 0.3416, 0.1656



# Inverse Universe

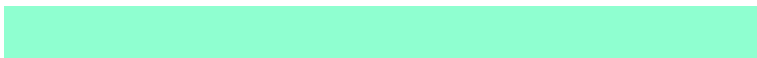
The Inverse Universe completely reimagines the original color for something new.



47.4996, 0.3262, 0.2294



41.1271, 0.3295, 0.2114



81.9164, 0.2746, 0.3845



18.2709, 0.3152, 0.3076



14.1746, 0.3447, 0.1672

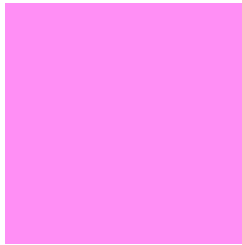


1.3880, 0.3416, 0.1656



# Previews

## White Background



This preview shows how the Yxy color 47.4975, 0.3262, 0.2294 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

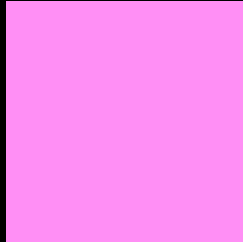
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.4975, 0.3262, 0.2294 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

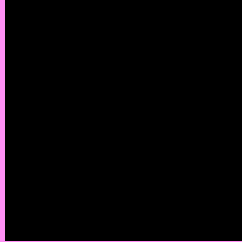
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.4975, 0.3262, 0.2294**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.4975, 0.3262, 0.2294.



This preview shows how white text looks on a background with the Yxy color 47.4975, 0.3262, 0.2294.

# 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

47.4975, 0.3262, 0.2294

### Protanopia

47.7413, 0.2478, 0.2411

### Deuteranopia

47.5862, 0.2652, 0.2588



## Tritanopia

47.3294, 0.3858, 0.3162

# Trichromacy



## Original Color

47.4975, 0.3262, 0.2294



## Protanomaly

46.2046, 0.2724, 0.2342



## Deuteranomaly

46.5449, 0.2846, 0.2450



## Tritanomaly

46.9994, 0.3633, 0.2815

# Monochromacy



## Original Color

47.4975, 0.3262, 0.2294



## Achromatopsia

50.2886, 0.3127, 0.3290



## Achromatomaly

48.1055, 0.3173, 0.2858

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.4975, 0.3262, 0.2294 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, 143, 245)` looks like.

```
.text, #text, p{  
    color:rgb(255, 143, 245)  
}
```

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, 143, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 143, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 47.4975, 0.3262, 0.2294 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, 143, 245) }
```

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

```
.border{ border-color:rgb(255, 143, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 143, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 143, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 143, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 143,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.4975, 0.3262, 0.2294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 143, 245) }
```

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

```
.background{ background-color: rgb(255,  
143, 245) }
```

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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