

# Converting Colors

$Y_{xy}(44.7627, 0.3026, 0.2157)$

Have a look what the booklet for  
Yxy(44.7627, 0.3026, 0.2157)  
contains.

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# Color

**Yxy(44.8694, 0.3025, 0.2161)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ED8FFF
RGB	237, 143, 255
RGB Percent	93%, 56%, 100%
CMY	0.0704, 0.4393, 0.0000
CMYK	0.07, 0.44, 0.00, 0.00
HSL	290°, 100%, 78%
HSV	290°, 44%, 100%
XYZ	62.8089, 44.8694, 99.9543
YIQ	183.8740, 20.0720, 54.7600

# Conversions

## Conversions Part 2

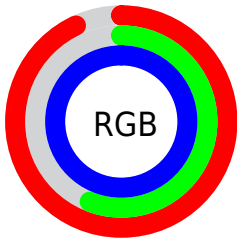
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	237, 143, 255
Decimal	15568895
CIE <sub>Lab</sub>	72.81, 52.73, -41.26
CIE <sub>LCh</sub>	73, 66.952, 321.953
Y <sub>xy</sub>	44.8694, 0.3025, 0.2161
Android (android.graphics.Color)	4293758975 (0xFFED8FFF)
YUV	183.8740, 35.0651, 46.5915
Hunter-Lab	66.9846, 50.1494, -41.5832

# Details

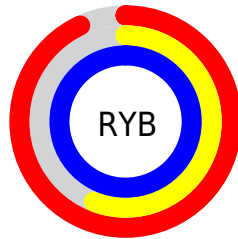
The Yxy color **44.8694, 0.3025, 0.2161** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.0695, 0.3162, 0.4628**, and the grayscale version is **47.6547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3268, 0.3153, 0.2742**, and **20.8057, 0.2971, 0.1911** is the 20% darker color. If you saturate the color by 10%, you get **37.3719, 0.2990, 0.1925**, and if you desaturate by 10%, it is **54.1264, 0.3056, 0.2416**.

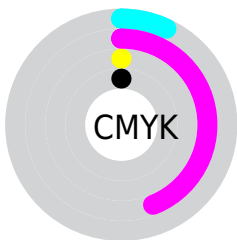
# Distribution



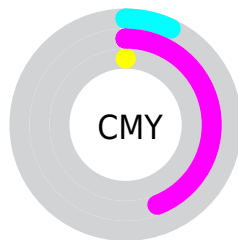
- Red (93%)
- Green (56%)
- Blue (100%)



- Red (93%)
- Yellow (56%)
- Blue (100%)



- Cyan (7%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)




- Cyan (7%)
- Magenta (44%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8694, 0.3025, 0.2161 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 44.8694, 0.3025, 0.2161 by changing the saturation by 10% instead.





 44.8694, 0.3025,  
0.2161

 44.8694, 0.3025,  
0.2161


366.2444, 0.3094,  
0.2669

 31.3546, 0.3004,  
0.2050


 82.5244, 0.3053,  
0.2334

 20.8690, 0.2975,  
0.1916


 107.4334, 0.3063,  
0.2402

 13.0283, 0.2935,  
0.1752


136.9091, 0.3071,  
0.2461

 7.4480, 0.2876,  
0.1547

171.3362, 0.3077,  
0.2513

 3.7438, 0.2785,  
0.1288

211.0988, 0.3083,  
0.2559

 1.5313, 0.2635,  
0.0959

256.5814, 0.3087,

 0.3106, 0.2403,

0.2600

0.0410

308.1685, 0.3091,  
0.2636

0.0000, 0.1780,  
0.0000

0.0000, 0.0000,  
0.0000

44.8694, 0.3025,  
0.2161

44.8694, 0.3025,  
0.2161

37.3719, 0.2990,  
0.1925

54.1264, 0.3056,  
0.2416

31.5086, 0.2951,  
0.1717

65.2456, 0.3082,  
0.2679

27.1470, 0.2910,  
0.1548

78.3282, 0.3104,  
0.2941

24.1308, 0.2867,  
0.1424

93.4667, 0.3121,  
0.3194

■ 22.2693, 0.2825,  
0.1346

99.9998, 0.3127,  
0.3290

■ 21.5375, 0.2799,  
0.1316

# Harmonies

## Analogous

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



44.8694, 0.2222, 0.1933



44.8694, 0.3025, 0.2161



44.8694, 0.4001, 0.2607

# Triad

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



44.8694, 0.3025, 0.2161



44.8694, 0.4603, 0.4503



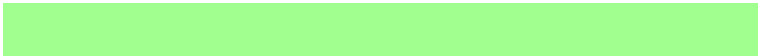
44.8694, 0.1707, 0.3055

# Complementary

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



44.8694, 0.3025, 0.2161



81.0695, 0.3162, 0.4628

# 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.



44.8694, 0.2203, 0.4102



44.8694, 0.3025, 0.2161



44.8694, 0.3871, 0.4988

# Square

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



44.8694, 0.3025, 0.2161



44.8694, 0.4972, 0.3848



44.8694, 0.2996, 0.4917



44.8694, 0.1562, 0.2315



# Rectangle

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



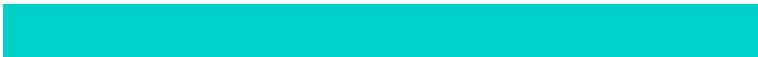
44.8694, 0.3025, 0.2161



44.8694, 0.4563, 0.2989



44.8694, 0.2996, 0.4917



44.8694, 0.1833, 0.3386

# Sweetspot

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



44.8713, 0.3025, 0.2161



79.6495, 0.3106, 0.2965



38.7743, 0.2335, 0.2144



16.3840, 0.3101, 0.2907



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.



44.8713, 0.3025, 0.2161



37.9991, 0.2993, 0.1945



45.9417, 0.3513, 0.2535



18.1444, 0.3112, 0.3054



11.3092, 0.2806, 0.1319



1.1388, 0.2855, 0.1346



# Inverse Universe

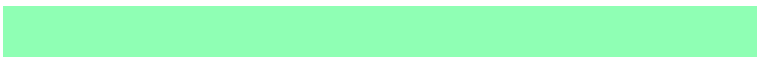
The Inverse Universe completely reimagines the original color for something new.



43.4683, 0.4106, 0.3105



36.5950, 0.4434, 0.3074



80.6637, 0.2883, 0.4201



18.0345, 0.3269, 0.3252



11.2058, 0.6176, 0.3176

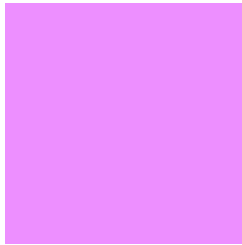


1.1040, 0.5900, 0.3024



# Previews

## White Background



This preview shows how the Yxy color 44.8694, 0.3025, 0.2161 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

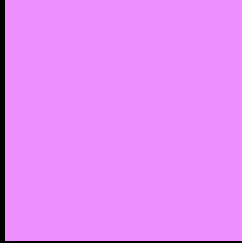
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.8694, 0.3025, 0.2161 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

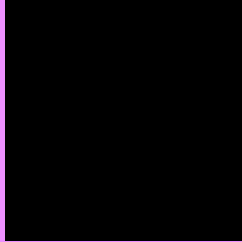
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.8694, 0.3025, 0.2161**

## Background



This preview shows how black text looks on a background with the Yxy color 44.8694, 0.3025, 0.2161.



This preview shows how white text looks on a background with the Yxy color 44.8694, 0.3025, 0.2161.

# 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

44.8694, 0.3025, 0.2161

### Protanopia

45.4366, 0.2427, 0.2351

### Deuteranopia

45.3518, 0.2478, 0.2415



## Tritanopia

44.7145, 0.3634, 0.3140

# Trichromacy



## Original Color

44.8694, 0.3025, 0.2161



## Protanomaly

44.3206, 0.2615, 0.2261



## Deuteranomaly

44.1896, 0.2647, 0.2299



## Tritanomaly

44.2460, 0.3407, 0.2742

# Monochromacy



## Original Color

44.8694, 0.3025, 0.2161



## Achromatopsia

47.9320, 0.3127, 0.3290



## Achromatomaly

45.7256, 0.3089, 0.2800

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.8694, 0.3025, 0.2161 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(237, 143, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 143, 255)  
}
```

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(237, 143, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 143, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 44.8694, 0.3025, 0.2161 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(237, 143, 255) }
```

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

```
.border{ border-color:rgb(237, 143, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 143, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 143, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 143, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 143,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.8694, 0.3025, 0.2161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 143, 255) }
```

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

```
.background{ background-color: rgb(237,  
143, 255) }
```

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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