

# Converting Colors

$Y_{xy}(45.5868, 0.3057, 0.2174)$

Have a look what the booklet for  
Yxy(45.5868, 0.3057, 0.2174)  
contains.

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**Color**

**Yxy(45.5657, 0.3059, 0.2173)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F18FFF
RGB	241, 143, 255
RGB Percent	95%, 56%, 100%
CMY	0.0549, 0.4392, 0.0002
CMYK	0.05, 0.44, 0.00, 0.00
HSL	293°, 100%, 78%
HSV	293°, 44%, 100%
XYZ	64.1443, 45.5657, 99.9803
YIQ	185.0700, 22.4560, 55.6080

# Conversions

## Conversions Part 2

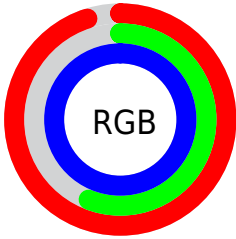
Format	Color
R <sub>Y</sub> B	241, 143, 255
Decimal	15831039
CIE Lab	73.26, 53.82, -40.49
CIE LCh	73, 67.352, 323.044
Yxy	45.5657, 0.3059, 0.2173
Android (android.graphics.Color)	4294021119 (0xFFFF18FFF)
YUV	185.0700, 34.4755, 49.0506
Hunter-Lab	67.5024, 51.4908, -40.5650

# Details

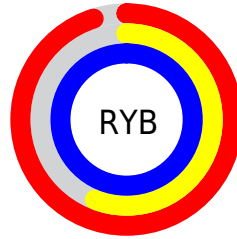
The Yxy color **45.5657, 0.3059, 0.2173** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.6355, 0.3139, 0.4637**, and the grayscale version is **48.3538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3268, 0.3153, 0.2742**, and **21.2893, 0.3017, 0.1929** is the 20% darker color. If you saturate the color by 10%, you get **38.2087, 0.3034, 0.1943**, and if you desaturate by 10%, it is **54.6755, 0.3081, 0.2423**.

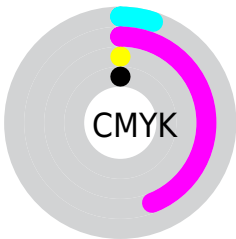
# Distribution



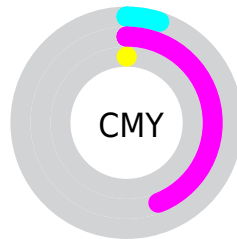
- Red (95%)
- Green (56%)
- Blue (100%)



- Red (95%)
- Yellow (56%)
- Blue (100%)



- Cyan (5%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)




- Cyan (5%)
- Magenta (44%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.5657, 0.3059, 0.2173 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 45.5657, 0.3059, 0.2173 by changing the saturation by 10% instead.




 45.5657, 0.3059,  
0.2173

 45.5657, 0.3059,  
0.2173


369.0599, 0.3111,  
0.2675

 31.9032, 0.3042,  
0.2064


 83.5687, 0.3081,  
0.2343

 21.2876, 0.3019,  
0.1932


 108.6779, 0.3089,  
0.2411

 13.3344, 0.2985,  
0.1770

138.3716, 0.3095,  
0.2469

 7.6592, 0.2935,  
0.1568

173.0341, 0.3099,  
0.2520

 3.8777, 0.2856,  
0.1312

213.0498, 0.3103,  
0.2566

 1.6054, 0.2723,  
0.0986

258.8030, 0.3107,

 0.3612, 0.2512,

0.2606

0.0466

310.6783, 0.3109,  
0.2642

0.0000, 0.1980,  
0.0000

0.0000, 0.0000,  
0.0000

45.5657, 0.3059,  
0.2173

45.5657, 0.3059,  
0.2173

38.2087, 0.3034,  
0.1943

54.6755, 0.3081,  
0.2423

32.4793, 0.3006,  
0.1743

65.6405, 0.3098,  
0.2682

28.2451, 0.2975,  
0.1581

78.5620, 0.3113,  
0.2942

25.3500, 0.2943,  
0.1465

93.5324, 0.3124,  
0.3195

■ 23.6036, 0.2910,  
0.1393

99.9969, 0.3127,  
0.3290

■ 22.9372, 0.2891,  
0.1366

# Harmonies

## Analogous

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



45.5657, 0.2245, 0.1936



45.5657, 0.3059, 0.2173



45.5657, 0.4036, 0.2626

# Triad

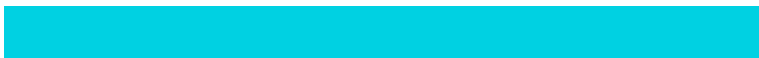
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



45.5657, 0.3059, 0.2173



45.5657, 0.4582, 0.4527



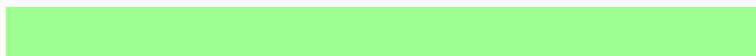
45.5657, 0.1695, 0.3020

# Complementary

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



45.5657, 0.3059, 0.2173



80.6355, 0.3139, 0.4637

# 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.



45.5657, 0.2179, 0.4064



45.5657, 0.3059, 0.2173



45.5657, 0.3840, 0.5000

# Square

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



45.5657, 0.3059, 0.2173



45.5657, 0.4969, 0.3872



45.5657, 0.2964, 0.4901



45.5657, 0.1562, 0.2295



# Rectangle

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



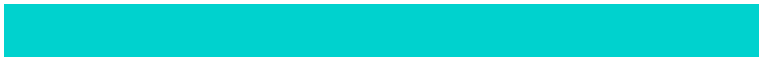
45.5657, 0.3059, 0.2173



45.5657, 0.4590, 0.3011



45.5657, 0.2964, 0.4901



45.5657, 0.1816, 0.3348

# Sweetspot

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



45.5677, 0.3059, 0.2173



79.8684, 0.3114, 0.2965



37.4891, 0.2327, 0.2098



16.4386, 0.3111, 0.2909



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.



45.5677, 0.3059, 0.2173



38.8236, 0.3036, 0.1963



45.7490, 0.3549, 0.2570



18.1789, 0.3118, 0.3054



12.0355, 0.2896, 0.1369



1.2027, 0.2934, 0.1390



# Inverse Universe

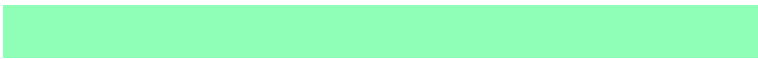
The Inverse Universe completely reimagines the original color for something new.



43.3313, 0.4149, 0.3147



36.4538, 0.4493, 0.3124



80.7925, 0.2865, 0.4153



18.0239, 0.3275, 0.3261



11.1740, 0.6248, 0.3215

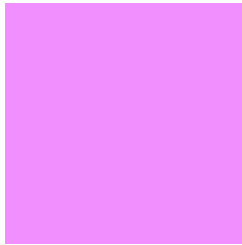


1.0990, 0.6003, 0.3080



# Previews

## White Background



This preview shows how the Yxy color 45.5657, 0.3059, 0.2173 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

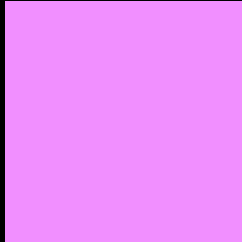
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.5657, 0.3059, 0.2173 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

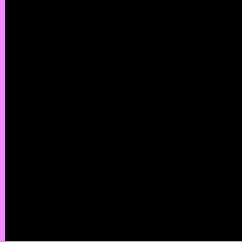
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.5657, 0.3059, 0.2173**

## Background



This preview shows how black text looks on a background with the Yxy color 45.5657, 0.3059, 0.2173.



This preview shows how white text looks on a background with the Yxy color 45.5657, 0.3059, 0.2173.

# 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

45.5657, 0.3059, 0.2173

### Protanopia

46.0294, 0.2441, 0.2366

### Deuteranopia

45.8872, 0.2498, 0.2440



## Tritanopia

45.3687, 0.3672, 0.3142

# Trichromacy



## Original Color

45.5657, 0.3059, 0.2173



## Protanomaly

44.5694, 0.2630, 0.2265



## Deuteranomaly

44.5667, 0.2669, 0.2305

## Tritanomaly

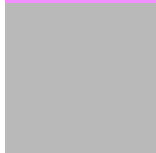
44.9154, 0.3444, 0.2749

# Monochromacy



## Original Color

45.5657, 0.3059, 0.2173



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

46.3817, 0.3106, 0.2815

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.5657, 0.3059, 0.2173 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(241, 143, 255)` looks like.

```
.text, #text, p{  
    color:rgb(241, 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(241, 143, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 143, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 45.5657, 0.3059, 0.2173 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(241, 143, 255) }
```

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

```
.border{ border-color:rgb(241, 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(241, 143, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 143, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 143, 255);  
box-shadow:4px 4px 4px 4px rgb(241, 143,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.5657, 0.3059, 0.2173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 143, 255) }
```

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

```
.background{ background-color: rgb(241,  
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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