

# Converting Colors

$Yxy(58.9840, 0.2689, 0.2081)$

Have a look what the booklet for  
Yxy(58.9840, 0.2689, 0.2081)  
contains.

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# Color

**Yxy(55.3724, 0.2999, 0.2467)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAAFFF
RGB	234, 175, 255
RGB Percent	92%, 69%, 100%
CMY	0.0824, 0.3137, 0.0000
CMYK	0.08, 0.31, 0.00, 0.00
HSL	284°, 100%, 84%
HSV	284°, 31%, 100%
XYZ	67.3133, 55.3724, 101.7667
YIQ	201.7610, 9.4840, 37.3880

# Conversions

## Conversions Part 2

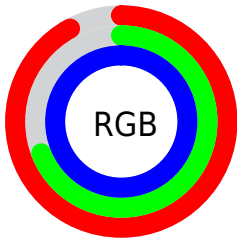
<b>Format</b>	<b>Color</b>
<b>RYB</b>	234, 175, 255
Decimal	15380479
CIELab	79.26, 35.10, -31.31
CIELCh	79, 47.034, 318.264
Yxy	55.3724, 0.2999, 0.2467
Android (android.graphics.Color)	4293570559 (0xFFEAAFFF)
YUV	201.7610, 26.2468, 28.2736
Hunter-Lab	74.4126, 31.2480, -28.9962

# Details

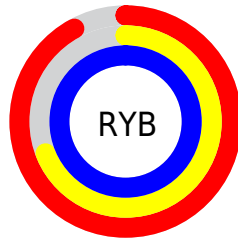
The Yxy color  $55.3724, 0.2999, 0.2467$  is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be  $86.3520, 0.3211, 0.4185$ , and the grayscale version is  $58.7351, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $85.6318, 0.3138, 0.3058$ , and  $27.3434, 0.2953, 0.2289$  is the 20% darker color. If you saturate the color by 10%, you get  $45.2546, 0.2943, 0.2196$ , and if you desaturate by 10%, it is  $67.4088, 0.3048, 0.2739$ .

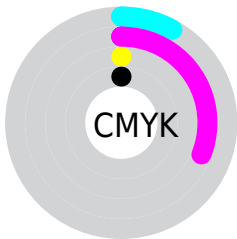
# Distribution



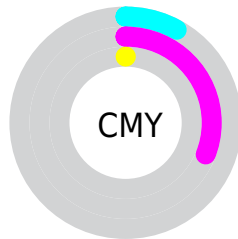
- Red (92%)
- Green (69%)
- Blue (100%)



- Red (92%)
- Yellow (69%)
- Blue (100%)



- Cyan (8%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (31%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.3724, 0.2999, 0.2467 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 55.3724, 0.2999, 0.2467 by changing the saturation by 10% instead.




 55.3724, 0.2999,  
0.2467

 55.3724, 0.2999,  
0.2467


407.3220, 0.3070,  
0.2839

 39.7000, 0.2980,  
0.2385


 98.0864, 0.3026,  
0.2594

 27.3047, 0.2956,  
0.2285


125.8967, 0.3035,  
0.2644

 17.8022, 0.2923,  
0.2161


158.5217, 0.3044,  
0.2687

 10.8081, 0.2877,  
0.2004

196.3459, 0.3050,  
0.2725

 5.9379, 0.2810,  
0.1799

239.7537, 0.3056,  
0.2758

 2.8074, 0.2703,  
0.1524

289.1293, 0.3061,

 1.0320, 0.2518,

0.2788

0.1146

344.8573, 0.3066,  
0.2815

0.0000, 0.2302,  
0.0000

0.0000, 0.0000,  
0.0000

55.3724, 0.2999,  
0.2467

55.3724, 0.2999,  
0.2467

45.2546, 0.2943,  
0.2196

67.4088, 0.3048,  
0.2739

36.9467, 0.2881,  
0.1937

81.4593, 0.3089,  
0.3005

30.3328, 0.2813,  
0.1701

97.6158, 0.3123,  
0.3257

25.2822, 0.2742,  
0.1500

100.0000, 0.3127,  
0.3290

■ 21.6448, 0.2670,  
0.1343

■ 19.2403, 0.2599,  
0.1234

■ 17.9176, 0.2540,  
0.1173

# Harmonies

## Analogous

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



55.3724, 0.2459, 0.2327



55.3724, 0.2999, 0.2467



55.3724, 0.3634, 0.2779

# Triad

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



55.3724, 0.2999, 0.2467



55.3724, 0.4201, 0.4125



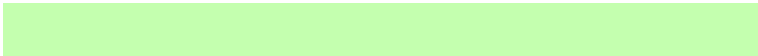
55.3724, 0.2183, 0.3245

# Complementary

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



55.3724, 0.2999, 0.2467



86.3520, 0.3211, 0.4185

# 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.



55.3724, 0.2584, 0.3884



55.3724, 0.2999, 0.2467



55.3724, 0.3749, 0.4402

# Square

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



55.3724, 0.2999, 0.2467



55.3724, 0.4366, 0.3684



55.3724, 0.3155, 0.4340



55.3724, 0.2027, 0.2706



# Rectangle

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



55.3724, 0.2999, 0.2467



55.3724, 0.4010, 0.3057



55.3724, 0.3155, 0.4340



55.3724, 0.2291, 0.3459

# Sweetspot

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



55.3733, 0.2999, 0.2467



85.0964, 0.3097, 0.3066



55.9660, 0.2596, 0.2615



17.7334, 0.3092, 0.3028



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.



55.3733, 0.2999, 0.2467



48.4579, 0.2963, 0.2287



57.9969, 0.3310, 0.2675



18.0464, 0.3096, 0.3053



9.4386, 0.2551, 0.1179



0.9720, 0.2629, 0.1222



# Inverse Universe

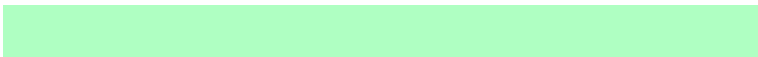
The Inverse Universe completely reimagines the original color for something new.



55.9072, 0.3657, 0.3073



49.1893, 0.3819, 0.3025



84.5146, 0.2986, 0.3996



18.0654, 0.3253, 0.3228



11.3409, 0.5896, 0.3021

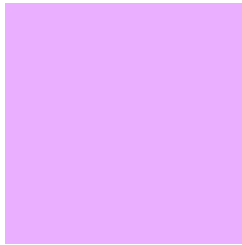


1.1213, 0.5579, 0.2847



# Previews

## White Background



This preview shows how the Yxy color 55.3724, 0.2999, 0.2467 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

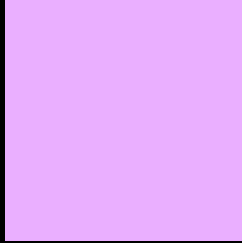
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.3724, 0.2999, 0.2467 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 55.3724, 0.2999, 0.2467**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.3724, 0.2999, 0.2467.



This preview shows how white text looks on a background with the Yxy color 55.3724, 0.2999, 0.2467.

# 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

55.3724, 0.2999, 0.2467

### Protanopia

55.9535, 0.2625, 0.2605

### Deuteranopia

55.7330, 0.2686, 0.2620



## Tritanopia

55.4567, 0.3353, 0.3133

# Trichromacy



## Original Color

55.3724, 0.2999, 0.2467



## Protanomaly

55.4658, 0.2752, 0.2550



## Deuteranomaly

55.0470, 0.2792, 0.2553



## Tritanomaly

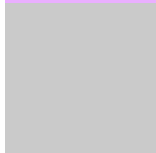
55.2812, 0.3221, 0.2874

# Monochromacy



## Original Color

55.3724, 0.2999, 0.2467



## Achromatopsia

59.0619, 0.3127, 0.3290



## Achromatomaly

57.2159, 0.3087, 0.2962

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.3724, 0.2999, 0.2467 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(234, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 175, 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(234, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 175, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 55.3724, 0.2999, 0.2467 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(234, 175, 255) }
```

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

```
.border{ border-color:rgb(234, 175, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 175,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.3724, 0.2999, 0.2467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 175, 255) }
```

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

```
.background{ background-color: rgb(234,  
175, 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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