

# Converting Colors

$Y_{xy}(44.0019, 0.3131, 0.2312)$

Have a look what the booklet for  
Yxy(44.0019, 0.3131, 0.2312)  
contains.

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# Color

**Yxy(43.9752, 0.3129, 0.2307)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EA91EF
RGB	234, 145, 239
RGB Percent	92%, 57%, 94%
CMY	0.0822, 0.4314, 0.0628
CMYK	0.02, 0.39, 0.00, 0.06
HSL	297°, 75%, 75%
HSV	297°, 39%, 94%
XYZ	59.6439, 43.9752, 86.9973
YIQ	182.3270, 22.8700, 48.1020

# Conversions

## Conversions Part 2

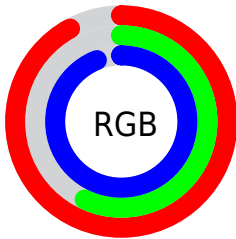
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">234, 145, 239</a>
Decimal	<a href="#">15372783</a>
CIELab	<a href="#">72.21, 47.84, -33.50</a>
CIElCh	<a href="#">72, 58.404, 325.003</a>
Yxy	<a href="#">43.9752, 0.3129, 0.2307</a>
Android (android.graphics.Color)	<a href="#">4293562863 (0xFFEA91EF)</a>
YUV	<a href="#">182.3270, 27.9398, 45.3172</a>
Hunter-Lab	<a href="#">66.3138, 44.4971, -31.3631</a>

# Details

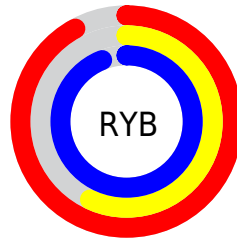
The Yxy color **43.9752, 0.3129, 0.2307** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **70.2497, 0.3100, 0.4487**, and the grayscale version is **46.8029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2533, 0.3152, 0.2762**, and **20.4203, 0.3111, 0.2082** is the 20% darker color. If you saturate the color by 10%, you get **37.2138, 0.3125, 0.2078**, and if you desaturate by 10%, it is **52.2780, 0.3131, 0.2553**.

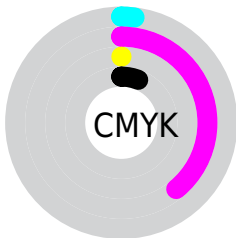
# Distribution



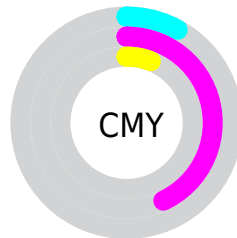
- Red (92%)
- Green (57%)
- Blue (94%)



- Red (92%)
- Yellow (57%)
- Blue (94%)



- Cyan (2%)
- Magenta (39%)
- Yellow (0%)
- Black (6%)




- Cyan (8%)
- Magenta (43%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.9752, 0.3129, 0.2307 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 43.9752, 0.3129, 0.2307 by changing the saturation by 10% instead.





 43.9752, 0.3129,  
0.2307


 43.9752, 0.3129,  
0.2307


362.6071, 0.3143,  
0.2759

 30.6510, 0.3122,  
0.2206


 81.1804, 0.3137,  
0.2463

 20.3333, 0.3110,  
0.2082


 105.8302, 0.3139,  
0.2523

 12.6375, 0.3093,  
0.1928


135.0241, 0.3141,  
0.2576

 7.1794, 0.3064,  
0.1731

169.1463, 0.3142,  
0.2622

 3.5746, 0.3013,  
0.1475

208.5813, 0.3143,  
0.2662

 1.4385, 0.2917,  
0.1134

253.7135, 0.3143,

 0.2449, 0.2789,

0.2698

0.0445

304.9273, 0.3143,  
0.2730

0.0000, 0.1913,  
0.0000

0.0000, 0.0000,  
0.0000

43.9752, 0.3129,  
0.2307

43.9752, 0.3129,  
0.2307

37.2138, 0.3125,  
0.2078

52.2780, 0.3131,  
0.2553

31.8909, 0.3119,  
0.1877


62.2051, 0.3131,  
0.2807


27.9003, 0.3111,  
0.1712


73.8403, 0.3130,  
0.3060

25.1184, 0.3101,  
0.1589


87.2600, 0.3127,  
0.3306

 23.3988, 0.3089,  
0.1511

 96.3351, 0.3128,  
0.3448


 22.5119, 0.3076,  
0.1470

 96.5568, 0.3136,  
0.3448

 22.4637, 0.3075,  
0.1468

 96.7800, 0.3144,  
0.3448

 97.0047, 0.3152,  
0.3447

 97.2310, 0.3160,  
0.3447

# Harmonies

## Analogous

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



43.9752, 0.2384, 0.2077



43.9752, 0.3129, 0.2307



43.9752, 0.3982, 0.2733

# Triad

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



43.9752, 0.3129, 0.2307



43.9752, 0.4405, 0.4453



43.9752, 0.1828, 0.3016

# Complementary

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



43.9752, 0.3129, 0.2307



70.2497, 0.3100, 0.4487

# 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.



43.9752, 0.2255, 0.3905



43.9752, 0.3129, 0.2307



43.9752, 0.3738, 0.4810

# Square

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



43.9752, 0.3129, 0.2307



43.9752, 0.4755, 0.3883



43.9752, 0.2952, 0.4649



43.9752, 0.1718, 0.2384



# Rectangle

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



43.9752, 0.3129, 0.2307



43.9752, 0.4450, 0.3091



43.9752, 0.2952, 0.4649



43.9752, 0.1935, 0.3296

# Sweetspot

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



43.9771, 0.3129, 0.2307



81.7019, 0.3130, 0.2992



34.4657, 0.2411, 0.2166



17.1001, 0.3130, 0.2959



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.



43.9771, 0.3129, 0.2307



44.6713, 0.3126, 0.2126



42.6854, 0.3552, 0.2710



15.9865, 0.3130, 0.3057



12.4337, 0.3078, 0.1469



1.0473, 0.3096, 0.1479



# Inverse Universe

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



40.7966, 0.4064, 0.3237



40.5669, 0.4358, 0.3228



71.2792, 0.2854, 0.3960



15.7723, 0.3285, 0.3278



10.1622, 0.6345, 0.3269



0.8501, 0.6202, 0.3190



# Previews

## White Background



This preview shows how the Yxy color 43.9752, 0.3129, 0.2307 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

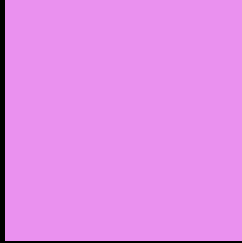
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.9752, 0.3129, 0.2307 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 43.9752, 0.3129, 0.2307**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.9752, 0.3129, 0.2307.



This preview shows how white text looks on a background with the Yxy color 43.9752, 0.3129, 0.2307.

# 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

43.9752, 0.3129, 0.2307

### Protanopia

44.4593, 0.2411, 0.2323

### Deuteranopia

44.4930, 0.2614, 0.2557



## Tritanopia

43.7824, 0.3649, 0.3139

# Trichromacy



## Original Color

43.9752, 0.3129, 0.2307



## Protanomaly

43.2142, 0.2629, 0.2299



## Deuteranomaly

43.4259, 0.2776, 0.2440



## Tritanomaly

43.5907, 0.3454, 0.2814

# Monochromacy



## Original Color

43.9752, 0.3129, 0.2307



## Achromatopsia

46.7784, 0.3127, 0.3290



## Achromatomaly

45.1052, 0.3129, 0.2877

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.9752, 0.3129, 0.2307 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, 145, 239)` looks like.

```
.text, #text, p{  
    color:rgb(234, 145, 239)  
}
```

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, 145, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 145, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 43.9752, 0.3129, 0.2307 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, 145, 239) }
```

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

```
.border{ border-color:rgb(234, 145, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 145, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 145, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 145, 239);  
box-shadow:4px 4px 4px 4px rgb(234, 145,  
239) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.9752, 0.3129, 0.2307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 145, 239) }
```

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

```
.background{ background-color: rgb(234,  
145, 239) }
```

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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