

# Converting Colors

$Y_{xy}(39.2833, 0.2499, 0.2283)$

Have a look what the booklet for  
Yxy(39.2833, 0.2499, 0.2283)  
contains.

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# Color

**Yxy(39.2299, 0.2496, 0.2276)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EA1F3
RGB	158, 161, 243
RGB Percent	62%, 63%, 95%
CMY	0.3805, 0.3686, 0.0470
CMYK	0.35, 0.34, 0.00, 0.05
HSL	238°, 78%, 79%
HSV	238°, 35%, 95%
XYZ	43.0219, 39.2299, 90.1116
YIQ	169.4510, -28.1100, 24.8660

# Conversions

## Conversions Part 2

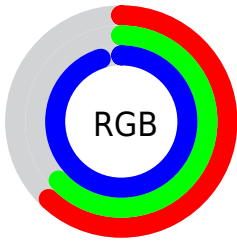
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	158, 161, 243
Decimal	10396147
CIE <sub>Lab</sub>	68.92, 17.88, -41.37
CIE <sub>LCh</sub>	69, 45.063, 293.374
Yxy	39.2299, 0.2496, 0.2276
Android (android.graphics.Color)	4288586227 (0xFF9EA1F3)
YUV	169.4510, 36.2597, -10.0425
Hunter-Lab	62.6338, 12.9990, -41.4572

# Details

The Yxy color **39.2299, 0.2496, 0.2276** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **83.8418, 0.3665, 0.4135**, and the grayscale version is **39.7382, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7788, 0.2872, 0.2878**, and **17.5806, 0.2318, 0.2035** is the 20% darker color. If you saturate the color by 10%, you get **29.5677, 0.2283, 0.1930**, and if you desaturate by 10%, it is **50.9175, 0.2699, 0.2604**.

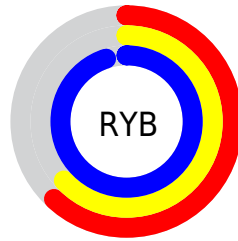
# Distribution



Red (62%)

Green (63%)

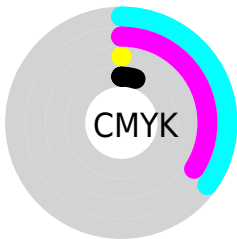
Blue (95%)



Red (62%)

Yellow (63%)

Blue (95%)

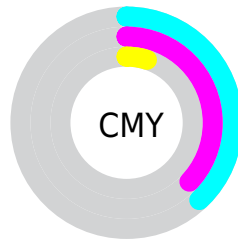


Cyan (35%)

Magenta (34%)

Yellow (0%)

Black (5%)



Cyan (38%)

Magenta (37%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.2299, 0.2496, 0.2276 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 39.2299, 0.2496, 0.2276 by changing the saturation by 10% instead.



■ 39.2299, 0.2496,  
0.2276

■ 39.2299, 0.2496,  
0.2276

■ 342.8669, 0.2816,  
0.2762

■ 26.9386, 0.2417,  
0.2163

■ 73.9894, 0.2612,  
0.2447

■ 17.5271, 0.2316,  
0.2024

■ 97.2264, 0.2656,  
0.2512

■ 10.6110, 0.2185,  
0.1848

■ 124.8808, 0.2693,  
0.2569

■ 5.8059, 0.2008,  
0.1621

■ 157.3369, 0.2725,  
0.2618

■ 2.7274, 0.1761,  
0.1323

■ 194.9792, 0.2752,  
0.2661

■ 0.9911, 0.1404,  
0.0931

■ 238.1920, 0.2776,


■ 0.0000, 0.0728,


0.2698

0.0000


287.3598, 0.2797,  
0.2732


 0.0000, 0.0000,  
0.0000


 39.2299, 0.2496,  
0.2276


 39.2299, 0.2496,  
0.2276

 29.5677, 0.2283,  
0.1930


 50.9175, 0.2699,  
0.2604

 21.8117, 0.2072,  
0.1582


 64.7318, 0.2885,  
0.2903


 15.8370, 0.1875,  
0.1256

 80.7727, 0.3052,  
0.3170

 11.5020, 0.1711,  
0.0978

 99.0966, 0.3197,  
0.3403

 8.6437, 0.1591,  
0.0772

 99.2521, 0.3197,  
0.3405

■ 7.0654, 0.1523,  
0.0648

■ 6.6597, 0.1505,  
0.0616

# Harmonies

## Analogous

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



39.2299, 0.2101, 0.2307



39.2299, 0.2496, 0.2276



39.2299, 0.3101, 0.2459

# Triad

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



39.2299, 0.2496, 0.2276



39.2299, 0.4452, 0.3787



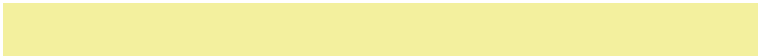
39.2299, 0.2453, 0.3817

# Complementary

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



39.2299, 0.2496, 0.2276



83.8418, 0.3665, 0.4135

# 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.



39.2299, 0.3040, 0.4370



39.2299, 0.2496, 0.2276



39.2299, 0.4209, 0.4245

# Square

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



39.2299, 0.2496, 0.2276



39.2299, 0.4301, 0.3282



39.2299, 0.3684, 0.4504



39.2299, 0.2072, 0.3123



# Rectangle

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



39.2299, 0.2496, 0.2276



39.2299, 0.3560, 0.2680



39.2299, 0.3684, 0.4504



39.2299, 0.2632, 0.4036

# Sweetspot

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



39.2314, 0.2496, 0.2276



80.7808, 0.2970, 0.3040



77.5969, 0.2654, 0.3337



16.7565, 0.2946, 0.3002



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.



39.2314, 0.2496, 0.2276



35.8687, 0.2345, 0.2031



42.6888, 0.2780, 0.2317



16.0211, 0.2979, 0.3054



3.6953, 0.1506, 0.0622



0.3574, 0.1522, 0.0677



# Inverse Universe

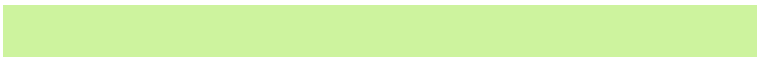
The Inverse Universe completely reimagines the original color for something new.



46.0788, 0.3934, 0.3259



44.6659, 0.4185, 0.3253



79.5233, 0.3383, 0.4248



16.4921, 0.3288, 0.3282



10.4724, 0.6364, 0.3279

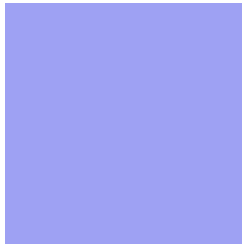


0.9237, 0.6270, 0.3228



# Previews

## White Background



This preview shows how the Yxy color 39.2299, 0.2496, 0.2276 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

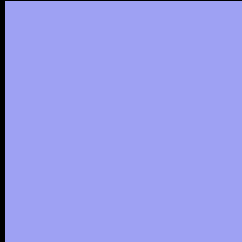
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.2299, 0.2496, 0.2276 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

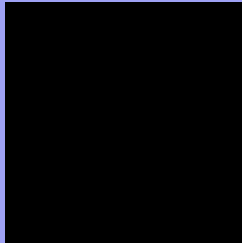
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.2299, 0.2496, 0.2276**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.2299, 0.2496, 0.2276.



This preview shows how white text looks on a background with the Yxy color 39.2299, 0.2496, 0.2276.

# 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

39.2299, 0.2496, 0.2276

### Protanopia

39.2268, 0.2376, 0.2269

### Deuteranopia

39.5372, 0.2389, 0.2332



## Tritanopia

39.0700, 0.2790, 0.3089

# Trichromacy



## Original Color

39.2299, 0.2496, 0.2276

## Protanomaly

39.3465, 0.2417, 0.2275

## Deuteranomaly

39.4321, 0.2429, 0.2317

## Tritanomaly

38.9943, 0.2676, 0.2758

# Monochromacy



## Original Color

39.2299, 0.2496, 0.2276

## Achromatopsia

39.6755, 0.3127, 0.3290

## Achromatomaly

39.2573, 0.2874, 0.2884

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.2299, 0.2496, 0.2276 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(158, 161, 243)` looks like.

```
.text, #text, p{  
    color:rgb(158, 161, 243)  
}
```

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(158, 161, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 161, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 39.2299, 0.2496, 0.2276 is called "border". The border property can be set on classes, ids or directly on the HTML element.

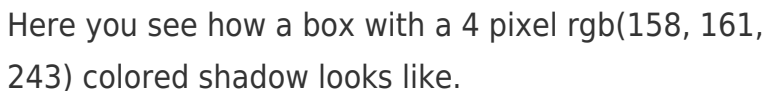
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 161, 243) }
```

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

```
.border{ border-color:rgb(158, 161, 243) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 161, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 161, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 161, 243); box-shadow:4px 4px 4px 4px rgb(158, 161, 243) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.2299, 0.2496, 0.2276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 161, 243) }
```

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

```
.background{ background-color: rgb(158,  
161, 243) }
```

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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