

# Converting Colors

Yxy(39.8134, 0.2538, 0.2128)

Have a look what the booklet for  
Yxy(39.8134, 0.2538, 0.2128)  
contains.

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# Color

**Yxy(39.7766, 0.2537, 0.2127)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AF9BFF
RGB	175, 155, 255
RGB Percent	69%, 61%, 100%
CMY	0.3139, 0.3921, 0.0000
CMYK	0.31, 0.39, 0.00, 0.00
HSL	252°, 100%, 80%
HSV	252°, 39%, 100%
XYZ	47.4439, 39.7766, 99.7875
YIQ	172.3800, -20.1800, 35.3400

# Conversions

## Conversions Part 2

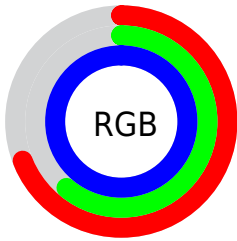
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">175, 155, 255</a>
Decimal	<a href="#">11508735</a>
CIELab	<a href="#">69.31, 28.91, -47.18</a>
CIElCh	<a href="#">69, 55.336, 301.500</a>
Yxy	<a href="#">39.7766, 0.2537, 0.2127</a>
Android (android.graphics.Color)	<a href="#">4289698815 (0xFFAF9BFF)</a>
YUV	<a href="#">172.3800, 40.7317, 2.2977</a>
Hunter-Lab	<a href="#">63.0687, 23.9078, -49.6607</a>

# Details

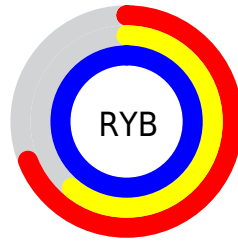
The Yxy color  $39.7766, 0.2537, 0.2127$  is a light color, and the websafe version is hex  $9999FF$ . A complement of this color would be  $91.5587, 0.3579, 0.4315$ , and the grayscale version is  $41.2535, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $70.6368, 0.2992, 0.2830$ , and  $17.8998, 0.2362, 0.1858$  is the 20% darker color. If you saturate the color by 10%, you get  $29.9810, 0.2349, 0.1788$ , and if you desaturate by 10%, it is  $51.7237, 0.2713, 0.2459$ .

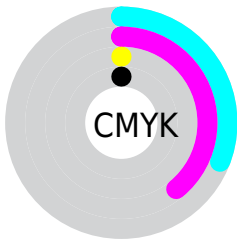
# Distribution



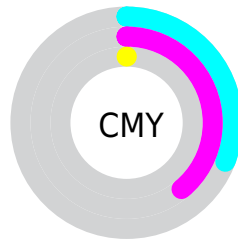
- Red (69%)
- Green (61%)
- Blue (100%)



- Red (69%)
- Yellow (61%)
- Blue (100%)



- Cyan (31%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (39%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.7766, 0.2537, 0.2127 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 39.7766, 0.2537, 0.2127 by changing the saturation by 10% instead.





 39.7766, 0.2537,  
0.2127


 39.7766, 0.2537,  
0.2127


345.1811, 0.2840,  
0.2669

 27.3644, 0.2462,  
0.2005


 74.8232, 0.2647,  
0.2314

 17.8471, 0.2366,  
0.1857


 98.2264, 0.2689,  
0.2387

 10.8403, 0.2242,  
0.1673


126.0621, 0.2724,  
0.2451

 5.9595, 0.2075,  
0.1443

158.7146, 0.2754,  
0.2506

 2.8205, 0.1843,  
0.1151

196.5684, 0.2779,  
0.2554

 1.0387, 0.1510,  
0.0785


240.0078, 0.2802,


 0.0000, 0.1046,

0.2597


0.0000

289.4172, 0.2822,  
0.2635


 0.0000, 0.0000,  
0.0000


 39.7766, 0.2537,  
0.2127


 39.7766, 0.2537,  
0.2127


 29.9810, 0.2349,  
0.1788


 51.7237, 0.2713,  
0.2459

 22.2035, 0.2158,  
0.1459


 65.9375, 0.2873,  
0.2770

 16.3013, 0.1975,  
0.1162

 82.5290, 0.3014,  
0.3054

 12.1110, 0.1813,  
0.0920

100.0000, 0.3127,  
0.3290

 9.4402, 0.1683,  
0.0750

■ 8.0067, 0.1591,  
0.0653

■ 7.9204, 0.1585,  
0.0647

# Harmonies

## Analogous

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



39.7766, 0.2004, 0.2084



39.7766, 0.2537, 0.2127



39.7766, 0.3311, 0.2400

# Triad

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



39.7766, 0.2537, 0.2127



39.7766, 0.4687, 0.4005



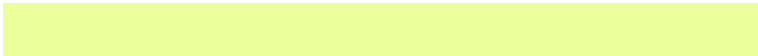
39.7766, 0.2155, 0.3698

# Complementary

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



39.7766, 0.2537, 0.2127



91.5587, 0.3579, 0.4315

# 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.



39.7766, 0.2794, 0.4500



39.7766, 0.2537, 0.2127



39.7766, 0.4262, 0.4538

# Square

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



39.7766, 0.2537, 0.2127



39.7766, 0.4660, 0.3413



39.7766, 0.3566, 0.4797



39.7766, 0.1801, 0.2861



# Rectangle

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



39.7766, 0.2537, 0.2127



39.7766, 0.3872, 0.2687



39.7766, 0.3566, 0.4797



39.7766, 0.2341, 0.3995

# Sweetspot

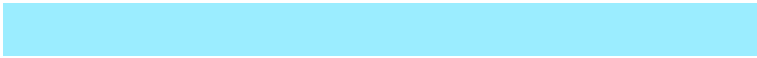
The Sweet Spot groups the original color and five complimentary colors.



39.7779, 0.2537, 0.2127



77.6531, 0.2976, 0.2978



74.5676, 0.2551, 0.3080



16.1466, 0.2958, 0.2941



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.



39.7779, 0.2537, 0.2127



31.9667, 0.2392, 0.1863



46.4102, 0.2912, 0.2241



17.5522, 0.3010, 0.3046



4.1875, 0.1596, 0.0653



0.4508, 0.1695, 0.0707



# Inverse Universe

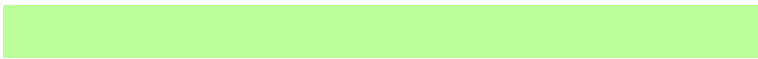
The Inverse Universe completely reimagines the original color for something new.



50.7097, 0.3340, 0.2492



44.4046, 0.3394, 0.2342



84.4114, 0.3259, 0.4430



18.2346, 0.3169, 0.3102



13.4120, 0.3790, 0.1862



1.3209, 0.3711, 0.1818



# Previews

## White Background



This preview shows how the Yxy color 39.7766, 0.2537, 0.2127 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

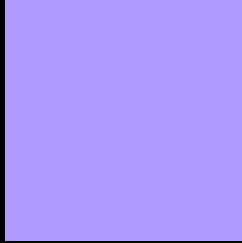
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.7766, 0.2537, 0.2127 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

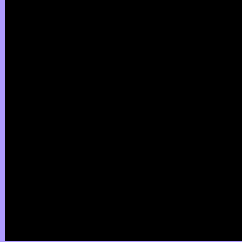
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.7766, 0.2537, 0.2127**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.7766, 0.2537, 0.2127.



This preview shows how white text looks on a background with the Yxy color 39.7766, 0.2537, 0.2127.

# 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

39.7766, 0.2537, 0.2127

### Protanopia

39.8957, 0.2315, 0.2190

### Deuteranopia

39.9391, 0.2300, 0.2235



## Tritanopia

39.6837, 0.2926, 0.3095

# Trichromacy



## Original Color

39.7766, 0.2537, 0.2127

## Protanomaly

39.6400, 0.2386, 0.2162

## Deuteranomaly

39.5821, 0.2379, 0.2188

## Tritanomaly

39.5627, 0.2769, 0.2698

# Monochromacy



## Original Color

39.7766, 0.2537, 0.2127

## Achromatopsia

41.2543, 0.3127, 0.3290

## Achromatomaly

40.4209, 0.2895, 0.2818

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.7766, 0.2537, 0.2127 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(175, 155, 255)` looks like.

```
.text, #text, p{  
    color:rgb(175, 155, 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(175, 155, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 155, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 39.7766, 0.2537, 0.2127 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(175, 155, 255) }
```

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

```
.border{ border-color:rgb(175, 155, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 155, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 155, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 155, 255);  
box-shadow:4px 4px 4px 4px rgb(175, 155,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.7766, 0.2537, 0.2127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 155, 255) }
```

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

```
.background{ background-color: rgb(175,  
155, 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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