

# Converting Colors

Yxy(37.4423, 0.2150, 0.1618)

Have a look what the booklet for  
Yxy(37.4423, 0.2150, 0.1618)  
contains.

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# Color

**Yxy(33.9388, 0.2364, 0.1950)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9990FF
RGB	153, 144, 255
RGB Percent	60%, 56%, 100%
CMY	0.4003, 0.4352, 0.0001
CMYK	0.40, 0.44, 0.00, 0.00
HSL	245°, 100%, 78%
HSV	245°, 44%, 100%
XYZ	41.1443, 33.9388, 98.9621
YIQ	159.3450, -30.2670, 36.4290

# Conversions

## Conversions Part 2

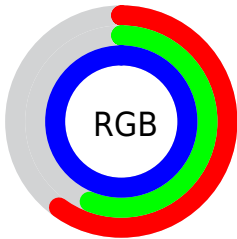
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	153, 144, 255
Decimal	10064127
CIE Lab	64.91, 29.47, -54.22
CIE LCh	65, 61.714, 298.521
Yxy	33.9388, 0.2364, 0.1950
Android (android.graphics.Color)	4288254207 (0xFF9990FF)
YUV	159.3450, 47.1579, -5.5646
Hunter-Lab	58.2570, 24.1166, -59.9369

# Details

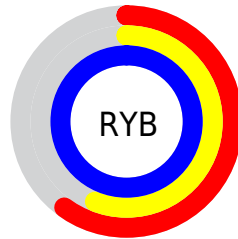
The Yxy color **33.9388, 0.2364, 0.1950** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **93.1217, 0.3715, 0.4389**, and the grayscale version is **34.6243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4571, 0.2836, 0.2677**, and **14.5694, 0.2141, 0.1640** is the 20% darker color. If you saturate the color by 10%, you get **25.0060, 0.2156, 0.1599**, and if you desaturate by 10%, it is **45.0665, 0.2567, 0.2299**.

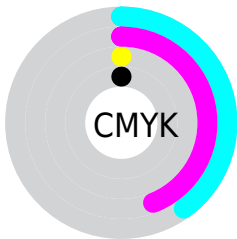
# Distribution



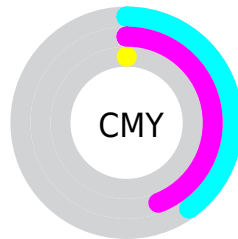
- Red (60%)
- Green (56%)
- Blue (100%)



- Red (60%)
- Yellow (56%)
- Blue (100%)



- Cyan (40%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)




- Cyan (40%)
- Magenta (44%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 33.9388, 0.2364, 0.1950 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 33.9388, 0.2364, 0.1950 by changing the saturation by 10% instead.





 33.9388, 0.2364,  
0.1950


 33.9388, 0.2364,  
0.1950


319.8591, 0.2758,  
0.2580

 22.8466, 0.2266,  
0.1809


 65.8385, 0.2508,  
0.2167

 14.4803, 0.2143,  
0.1638


 87.4148, 0.2562,  
0.2252

 8.4555, 0.1982,  
0.1429


113.2545, 0.2607,  
0.2326

 4.3877, 0.1770,  
0.1172

143.7421, 0.2646,  
0.2390

 1.8927, 0.1483,  
0.0857

179.2620, 0.2680,  
0.2446

 0.5440, 0.1097,  
0.0459

220.1985, 0.2709,


 0.0000, 0.0336,


0.2496


0.0000

266.9361, 0.2735,  
0.2540


 0.0000, 0.0000,  
0.0000


 33.9388, 0.2364,  
0.1950


 33.9388, 0.2364,  
0.1950


 25.0060, 0.2156,  
0.1599


 45.0665, 0.2567,  
0.2299

 18.1190, 0.1957,  
0.1270


 58.5174, 0.2757,  
0.2630

 13.1164, 0.1781,  
0.0989

 74.4143, 0.2928,  
0.2933

 9.8103, 0.1643,  
0.0779

 92.8702, 0.3079,  
0.3203

 7.9739, 0.1553,  
0.0653

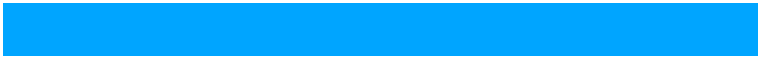
99.9979, 0.3127,  
0.3290

■ 7.3711, 0.1519,  
0.0610

# Harmonies

## Analogous

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



33.9388, 0.1802, 0.1922



33.9388, 0.2364, 0.1950



33.9388, 0.3234, 0.2232

# Triad

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



33.9388, 0.2364, 0.1950



33.9388, 0.4952, 0.3997



33.9388, 0.2053, 0.3873

# Complementary

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



33.9388, 0.2364, 0.1950



93.1217, 0.3715, 0.4389

# 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.



33.9388, 0.2801, 0.4815



33.9388, 0.2364, 0.1950



33.9388, 0.4476, 0.4646

# Square

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



33.9388, 0.2364, 0.1950



33.9388, 0.4887, 0.3333



33.9388, 0.3687, 0.5055



33.9388, 0.1632, 0.2851



# Rectangle

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



33.9388, 0.2364, 0.1950



33.9388, 0.3899, 0.2539



33.9388, 0.3687, 0.5055



33.9388, 0.2272, 0.4233

# Sweetspot

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



33.9400, 0.2364, 0.1950



75.3111, 0.2936, 0.2947



80.0225, 0.2522, 0.3205



15.3160, 0.2900, 0.2884



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.



33.9400, 0.2364, 0.1950



26.2258, 0.2187, 0.1651



40.4259, 0.2774, 0.2087



17.4473, 0.2991, 0.3045



3.8769, 0.1525, 0.0614



0.4003, 0.1579, 0.0643



# Inverse Universe

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



47.8701, 0.3252, 0.2294



41.8322, 0.3281, 0.2123



84.7344, 0.3350, 0.4537



18.2738, 0.3150, 0.3074



14.2406, 0.3422, 0.1659

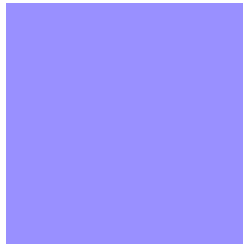


1.3937, 0.3395, 0.1644



# Previews

## White Background



This preview shows how the Yxy color 33.9388, 0.2364, 0.1950 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

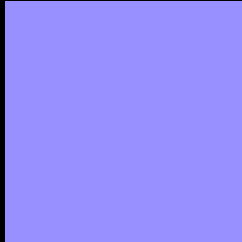
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 33.9388, 0.2364, 0.1950 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

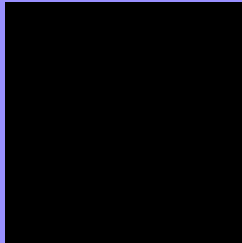
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 33.9388, 0.2364, 0.1950**

## **Background**



This preview shows how black text looks on a background with the Yxy color 33.9388, 0.2364, 0.1950.



This preview shows how white text looks on a background with the Yxy color 33.9388, 0.2364, 0.1950.

# 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

33.9388, 0.2364, 0.1950

### Protanopia

34.1131, 0.2169, 0.2003

### Deuteranopia

34.3068, 0.2119, 0.2061



## Tritanopia

34.0041, 0.2772, 0.3091

# Trichromacy



**Original Color**

33.9388, 0.2364, 0.1950

**Protanomaly**

33.7785, 0.2231, 0.1975

**Deuteranomaly**

33.9393, 0.2197, 0.2015

**Tritanomaly**

33.4650, 0.2607, 0.2597

# Monochromacy



**Original Color**

33.9388, 0.2364, 0.1950

**Achromatopsia**

34.6704, 0.3127, 0.3290

**Achromatomaly**

34.1743, 0.2812, 0.2731

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 33.9388, 0.2364, 0.1950 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(153, 144, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 144, 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(153, 144, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 144, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 33.9388, 0.2364, 0.1950 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(153, 144, 255) }
```

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

```
.border{ border-color:rgb(153, 144, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 144, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 144, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 144, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 144,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 33.9388, 0.2364, 0.1950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 144, 255) }
```

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

```
.background{ background-color: rgb(153,  
144, 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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