

# Converting Colors

$Y_{xy}(51.1471, 0.3188, 0.2316)$

Have a look what the booklet for  
Yxy(51.1471, 0.3188, 0.2316)  
contains.

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# Color

**Yxy(51.1343, 0.3190, 0.2318)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF99FD
RGB	255, 153, 253
RGB Percent	100%, 60%, 99%
CMY	0.0000, 0.4001, 0.0078
CMYK	0.00, 0.40, 0.01, 0.00
HSL	301°, 100%, 80%
HSV	301°, 40%, 100%
XYZ	70.3703, 51.1343, 99.0920
YIQ	194.8980, 28.6920, 52.7240

# Conversions

## Conversions Part 2

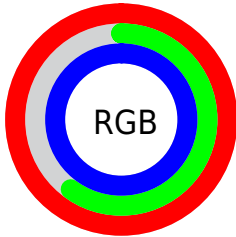
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 153, 253
Decimal	16751101
CIE Lab	76.76, 52.50, -33.88
CIE LCh	77, 62.485, 327.161
Yxy	51.1343, 0.3190, 0.2318
Android (android.graphics.Color)	4294941181 (0xFFFF99FD)
YUV	194.8980, 28.6443, 52.7095
Hunter-Lab	71.5083, 50.5201, -32.1049

# Details

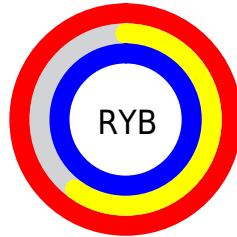
The Yxy color **51.1343, 0.3190, 0.2318** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.6569, 0.3059, 0.4502**, and the grayscale version is **54.3172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0809, 0.3148, 0.2841**, and **24.7795, 0.3194, 0.2113** is the 20% darker color. If you saturate the color by 10%, you get **43.6249, 0.3205, 0.2101**, and if you desaturate by 10%, it is **60.4184, 0.3174, 0.2554**.

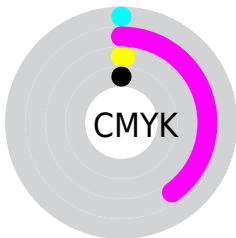
# Distribution



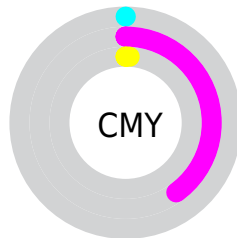
- Red (100%)
- Green (60%)
- Blue (99%)



- Red (100%)
- Yellow (60%)
- Blue (99%)



- Cyan (0%)
- Magenta (40%)
- Yellow (1%)
- Black (0%)




- Cyan (0%)
- Magenta (40%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.1343, 0.3190, 0.2318 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 51.1343, 0.3190, 0.2318 by changing the saturation by 10% instead.





 51.1343, 0.3190,  
0.2318

 51.1343, 0.3190,  
0.2318


391.0853, 0.3175,  
0.2753

 36.3155, 0.3190,  
0.2223


 91.8533, 0.3188,  
0.2465

 24.6780, 0.3188,  
0.2108


 118.5222, 0.3186,  
0.2524

 15.8373, 0.3183,  
0.1967


149.9100, 0.3184,  
0.2574

 9.4091, 0.3172,  
0.1790

186.4010, 0.3182,  
0.2619

 5.0090, 0.3149,  
0.1562

228.3797, 0.3180,  
0.2658

 2.2525, 0.3101,  
0.1264

276.2303, 0.3179,

 0.7484, 0.2997,

0.2693

0.0863

330.3374, 0.3177,  
0.2725

■ 0.0000, 0.2845,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 51.1343, 0.3190,  
0.2318

■ 51.1343, 0.3190,  
0.2318

■ 43.6249, 0.3205,  
0.2101

■ 60.4184, 0.3174,  
0.2554

■ 37.7886, 0.3220,  
0.1914

■ 71.5949, 0.3157,  
0.2801

■ 33.4931, 0.3233,  
0.1765

■ 84.7558, 0.3142,  
0.3048

■ 30.5920, 0.3244,  
0.1659

99.9910, 0.3127,  
0.3290

■ 28.9103, 0.3253,  
0.1596

100.0000, 0.3127,  
0.3290

■ 28.1628, 0.3260,  
0.1569

# Harmonies

## Analogous

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



51.1343, 0.2418, 0.2069



51.1343, 0.3190, 0.2318



51.1343, 0.4055, 0.2761

# Triad

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



51.1343, 0.3190, 0.2318



51.1343, 0.4382, 0.4505



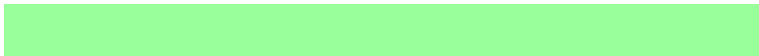
51.1343, 0.1790, 0.2952

# Complementary

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



51.1343, 0.3190, 0.2318



80.6569, 0.3059, 0.4502

# 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.



51.1343, 0.2199, 0.3849



51.1343, 0.3190, 0.2318



51.1343, 0.3689, 0.4846

# Square

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



51.1343, 0.3190, 0.2318



51.1343, 0.4770, 0.3932



51.1343, 0.2890, 0.4638



51.1343, 0.1702, 0.2336



# Rectangle

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



51.1343, 0.3190, 0.2318



51.1343, 0.4514, 0.3128



51.1343, 0.2890, 0.4638



51.1343, 0.1890, 0.3230

# Sweetspot

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



51.1299, 0.3190, 0.2318



81.9681, 0.3145, 0.2999



36.9354, 0.2392, 0.2060



17.1632, 0.3147, 0.2967



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.



51.1299, 0.3190, 0.2318



44.9924, 0.3202, 0.2143



48.3160, 0.3646, 0.2782



18.2939, 0.3141, 0.3060



14.7185, 0.3259, 0.1569



1.4350, 0.3253, 0.1565



# Inverse Universe

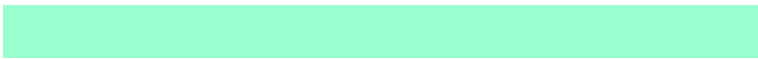
The Inverse Universe completely reimagines the original color for something new.



51.1299, 0.3190, 0.2318



44.9924, 0.3202, 0.2143



82.7323, 0.2807, 0.3871



18.2939, 0.3141, 0.3060



14.7185, 0.3259, 0.1569



1.4350, 0.3253, 0.1565



# Previews

## White Background



This preview shows how the Yxy color 51.1343, 0.3190, 0.2318 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

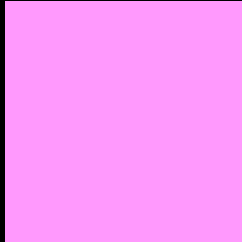
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.1343, 0.3190, 0.2318 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

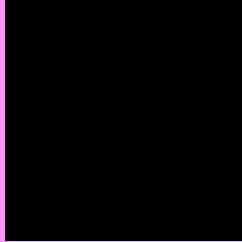
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.1343, 0.3190, 0.2318**

## Background



This preview shows how black text looks on a background with the Yxy color 51.1343, 0.3190, 0.2318.



This preview shows how white text looks on a background with the Yxy color 51.1343, 0.3190, 0.2318.

# 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

51.1343, 0.3190, 0.2318

### Protanopia

51.6215, 0.2546, 0.2508

### Deuteranopia

51.7210, 0.2648, 0.2588



## Tritanopia

50.9343, 0.3733, 0.3151

# Trichromacy



## Original Color

51.1343, 0.3190, 0.2318



## Protanomaly

50.0951, 0.2748, 0.2413



## Deuteranomaly

50.6213, 0.2826, 0.2471



## Tritanomaly

50.8391, 0.3528, 0.2828

# Monochromacy



## Original Color

51.1343, 0.3190, 0.2318



## Achromatopsia

54.5724, 0.3127, 0.3290



## Achromatomaly

52.3521, 0.3155, 0.2881

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.1343, 0.3190, 0.2318 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(255, 153, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 253)  
}
```

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(255, 153, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 253) }
```

## Border

The CSS property to change the border of an element to Yxy 51.1343, 0.3190, 0.2318 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(255, 153, 253) }
```

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

```
.border{ border-color:rgb(255, 153, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
253) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.1343, 0.3190, 0.2318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 253) }
```

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

```
.background{ background-color: rgb(255,  
153, 253) }
```

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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