

# Converting Colors

$Y_{xy}(55.3495, 0.3220, 0.2352)$

Have a look what the booklet for  
Yxy(55.3495, 0.3220, 0.2352)  
contains.

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# Color

**Yxy(53.2763, 0.3171, 0.2357)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9FFF
RGB	255, 159, 255
RGB Percent	100%, 62%, 100%
CMY	0.0001, 0.3764, 0.0001
CMYK	0.00, 0.38, 0.00, 0.00
HSL	300°, 100%, 81%
HSV	300°, 38%, 100%
XYZ	71.6755, 53.2763, 101.0826
YIQ	198.6480, 26.4000, 50.2080

# Conversions

## Conversions Part 2

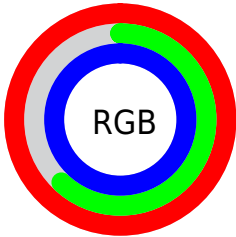
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 159, 255
Decimal	16752639
CIE <sub>Lab</sub>	78.04, 49.77, -32.97
CIE <sub>LCh</sub>	78, 59.702, 326.478
Yxy	53.2763, 0.3171, 0.2357
Android (android.graphics.Color)	4294942719 (0xFFFF9FFF)
YUV	198.6480, 27.7815, 49.4207
Hunter-Lab	72.9906, 47.5503, -31.0156

# Details

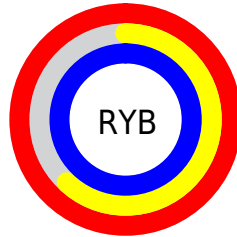
The Yxy color **53.2763, 0.3171, 0.2357** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.3808, 0.3073, 0.4441**, and the grayscale version is **56.7046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0809, 0.3145, 0.2900**, and **26.0507, 0.3169, 0.2157** is the 20% darker color. If you saturate the color by 10%, you get **45.3933, 0.3182, 0.2132**, and if you desaturate by 10%, it is **62.9726, 0.3160, 0.2600**.

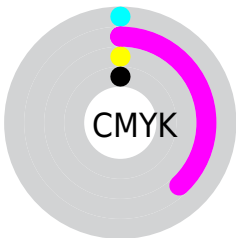
# Distribution



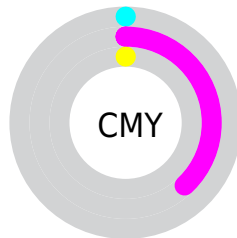
- Red (100%)
- Green (62%)
- Blue (100%)



- Red (100%)
- Yellow (62%)
- Blue (100%)



- Cyan (0%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (38%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.2763, 0.3171, 0.2357 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 53.2763, 0.3171, 0.2357 by changing the saturation by 10% instead.





 53.2763, 0.3171,  
0.2357

 53.2763, 0.3171,  
0.2357


399.3443, 0.3164,  
0.2773

 38.0234, 0.3169,  
0.2266


 95.0108, 0.3171,  
0.2498

 26.0008, 0.3166,  
0.2156


 122.2612, 0.3171,  
0.2554

 16.8243, 0.3159,  
0.2021

154.2795, 0.3170,  
0.2603

 10.1093, 0.3146,  
0.1851

191.4502, 0.3169,  
0.2645

 5.4715, 0.3121,  
0.1633

234.1576, 0.3167,  
0.2683

 2.5265, 0.3072,  
0.1346

282.7862, 0.3166,

 0.8898, 0.2969,

0.2716

0.0963

337.7203, 0.3165,  
0.2746

0.0000, 0.2862,  
0.0000

0.0000, 0.0000,  
0.0000

53.2763, 0.3171,  
0.2357

53.2763, 0.3171,  
0.2357

45.3933, 0.3182,  
0.2132

62.9726, 0.3160,  
0.2600

39.2046, 0.3191,  
0.1935

74.5774, 0.3148,  
0.2851

34.5880, 0.3198,  
0.1775

88.1881, 0.3136,  
0.3103

31.4021, 0.3204,  
0.1656

99.9931, 0.3127,  
0.3290

■ 29.4804, 0.3208,  
0.1582

99.9932, 0.3127,  
0.3290

■ 28.6029, 0.3209,  
0.1547

99.9933, 0.3127,  
0.3290

■ 28.4716, 0.3209,  
0.1542

99.9935, 0.3127,  
0.3290

99.9936, 0.3127,  
0.3290

99.9938, 0.3127,  
0.3290

# Harmonies

## Analogous

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



53.2763, 0.2442, 0.2123



53.2763, 0.3171, 0.2357



53.2763, 0.3986, 0.2779

# Triad

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



53.2763, 0.3171, 0.2357



53.2763, 0.4336, 0.4441



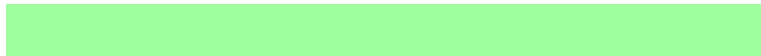
53.2763, 0.1862, 0.2994

# Complementary

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



53.2763, 0.3171, 0.2357



81.3808, 0.3073, 0.4441

# 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.



53.2763, 0.2263, 0.3837



53.2763, 0.3171, 0.2357



53.2763, 0.3686, 0.4754

# Square

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



53.2763, 0.3171, 0.2357



53.2763, 0.4687, 0.3900



53.2763, 0.2927, 0.4562



53.2763, 0.1768, 0.2399



# Rectangle

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



53.2763, 0.3171, 0.2357



53.2763, 0.4422, 0.3130



53.2763, 0.2927, 0.4562



53.2763, 0.1961, 0.3259

# Sweetspot

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



53.2787, 0.3171, 0.2357



83.3907, 0.3140, 0.3018



39.3983, 0.2432, 0.2141



17.4484, 0.3142, 0.2984



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.



53.2787, 0.3171, 0.2357



47.3087, 0.3179, 0.2189



50.5660, 0.3589, 0.2796



18.3004, 0.3138, 0.3056



14.8807, 0.3209, 0.1542



1.4489, 0.3209, 0.1542



# Inverse Universe

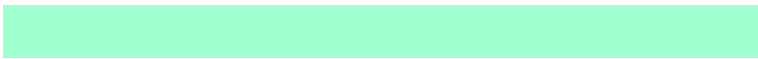
The Inverse Universe completely reimagines the original color for something new.



53.2787, 0.3171, 0.2357



47.3087, 0.3179, 0.2189



83.3814, 0.2831, 0.3850



18.3004, 0.3138, 0.3056



14.8807, 0.3209, 0.1542



1.4489, 0.3209, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 53.2763, 0.3171, 0.2357 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

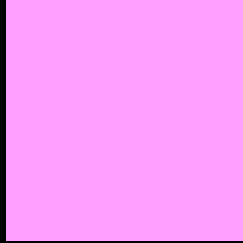
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.2763, 0.3171, 0.2357 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

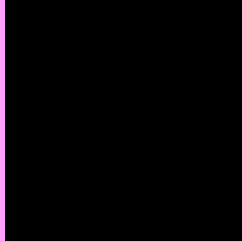
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.2763, 0.3171, 0.2357**

## Background



This preview shows how black text looks on a background with the Yxy color 53.2763, 0.3171, 0.2357.



This preview shows how white text looks on a background with the Yxy color 53.2763, 0.3171, 0.2357.

# 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

53.2763, 0.3171, 0.2357

### Protanopia

53.5956, 0.2588, 0.2552

### Deuteranopia

53.6115, 0.2667, 0.2609



## Tritanopia

53.0678, 0.3664, 0.3140

# Trichromacy



## Original Color

53.2763, 0.3171, 0.2357



## Protanomaly

52.2976, 0.2774, 0.2456



## Deuteranomaly

52.7605, 0.2837, 0.2502



## Tritanomaly

52.8985, 0.3475, 0.2830

# Monochromacy



## Original Color

53.2763, 0.3171, 0.2357



## Achromatopsia

57.1125, 0.3127, 0.3290



## Achromatomaly

54.4555, 0.3146, 0.2896

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.2763, 0.3171, 0.2357 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, 159, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 159, 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(255, 159, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 159, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 53.2763, 0.3171, 0.2357 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, 159, 255) }
```

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

```
.border{ border-color:rgb(255, 159, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 159, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 159, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 159, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 159,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.2763, 0.3171, 0.2357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 159, 255) }
```

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

```
.background{ background-color: rgb(255,  
159, 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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