

# Converting Colors

$Y_{xy}(81.5718, 0.3263, 0.2079)$

Have a look what the booklet for  
Yxy(81.5718, 0.3263, 0.2079)  
contains.

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# Color

**Yxy(54.6744, 0.3169, 0.2394)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA3FF
RGB	255, 163, 255
RGB Percent	100%, 64%, 100%
CMY	0.0002, 0.3607, 0.0001
CMYK	0.00, 0.36, 0.00, 0.00
HSL	300°, 100%, 82%
HSV	300°, 36%, 100%
XYZ	72.3739, 54.6744, 101.3326
YIQ	200.9960, 25.3000, 48.1160

# Conversions

## Conversions Part 2

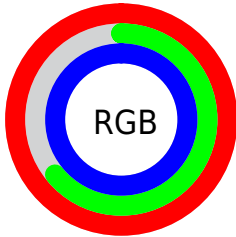
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 163, 255
Decimal	16753663
CIE <sub>Lab</sub>	78.85, 47.73, -31.73
CIE <sub>LCh</sub>	79, 57.312, 326.389
Yxy	54.6744, 0.3169, 0.2394
Android (android.graphics.Color)	4294943743 (0xFFFFA3FF)
YUV	200.9960, 26.6240, 47.3615
Hunter-Lab	73.9421, 45.3155, -29.4934

# Details

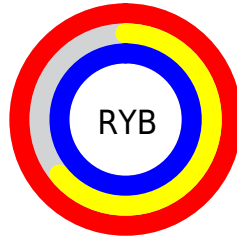
The Yxy color **54.6744, 0.3169, 0.2394** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.9479, 0.3076, 0.4385**, and the grayscale version is **58.2285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1430, 0.3144, 0.2940**, and **26.8848, 0.3167, 0.2201** is the 20% darker color. If you saturate the color by 10%, you get **46.5133, 0.3180, 0.2166**, and if you desaturate by 10%, it is **64.6657, 0.3158, 0.2639**.

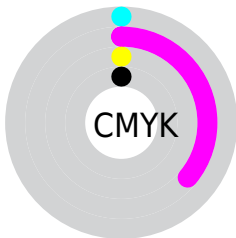
# Distribution



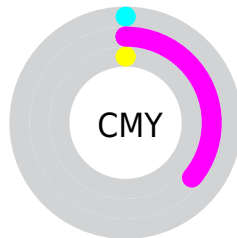
- Red (100%)
- Green (64%)
- Blue (100%)



- Red (100%)
- Yellow (64%)
- Blue (100%)



- Cyan (0%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (36%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.6744, 0.3169, 0.2394 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 54.6744, 0.3169, 0.2394 by changing the saturation by 10% instead.





 54.6744, 0.3169,  
0.2394


 54.6744, 0.3169,  
0.2394


404.6765, 0.3162,  
0.2794

 39.1411, 0.3168,  
0.2307


 97.0637, 0.3169,  
0.2530

 26.8695, 0.3165,  
0.2201


 124.6886, 0.3168,  
0.2583

 17.4752, 0.3159,  
0.2071


157.1127, 0.3167,  
0.2630

 10.5739, 0.3147,  
0.1907

194.7205, 0.3166,  
0.2671

 5.7811, 0.3125,  
0.1696

237.8964, 0.3165,  
0.2707

 2.7124, 0.3081,  
0.1417

287.0247, 0.3164,

 0.9835, 0.2987,

0.2739

0.1040

342.4900, 0.3163,  
0.2768

0.0000, 0.2926,  
0.0000

0.0000, 0.0000,  
0.0000

54.6744, 0.3169,  
0.2394

54.6744, 0.3169,  
0.2394

46.5133, 0.3180,  
0.2166

64.6657, 0.3158,  
0.2639

40.0648, 0.3189,  
0.1964

76.5811, 0.3146,  
0.2891

35.2092, 0.3197,  
0.1797

90.5167, 0.3134,  
0.3142

31.8080, 0.3203,  
0.1672

99.9966, 0.3127,  
0.3290

■ 29.6993, 0.3206,  
0.1590

99.9978, 0.3127,  
0.3290

■ 28.6820, 0.3208,  
0.1550

99.9990, 0.3127,  
0.3290

■ 28.4636, 0.3209,  
0.1541

# Harmonies

## Analogous

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



54.6744, 0.2472, 0.2170



54.6744, 0.3169, 0.2394



54.6744, 0.3943, 0.2801

# Triad

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



54.6744, 0.3169, 0.2394



54.6744, 0.4289, 0.4395



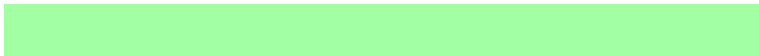
54.6744, 0.1916, 0.3015

# Complementary

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



54.6744, 0.3169, 0.2394



81.9479, 0.3076, 0.4385

# 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.



54.6744, 0.2306, 0.3812



54.6744, 0.3169, 0.2394



54.6744, 0.3670, 0.4683

# Square

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



54.6744, 0.3169, 0.2394



54.6744, 0.4617, 0.3882



54.6744, 0.2943, 0.4494



54.6744, 0.1822, 0.2443



# Rectangle

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



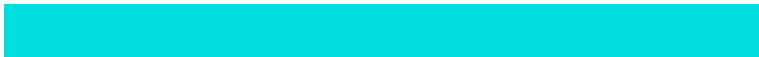
54.6744, 0.3169, 0.2394



54.6744, 0.4358, 0.3140



54.6744, 0.2943, 0.4494



54.6744, 0.2013, 0.3267

# Sweetspot

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



54.6768, 0.3169, 0.2394



83.3894, 0.3140, 0.3018



41.7617, 0.2469, 0.2215



17.4481, 0.3141, 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.



54.6768, 0.3169, 0.2394



48.8325, 0.3177, 0.2233



52.1424, 0.3549, 0.2802



18.3002, 0.3138, 0.3056



14.8750, 0.3209, 0.1541



1.4484, 0.3209, 0.1541



# Inverse Universe

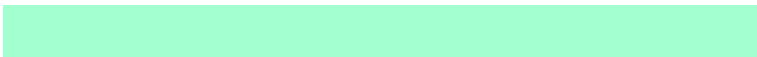
The Inverse Universe completely reimagines the original color for something new.



50.1086, 0.4005, 0.3292



43.6740, 0.4265, 0.3293



83.8282, 0.2849, 0.3841



17.9872, 0.3295, 0.3290



11.1089, 0.6400, 0.3300



1.0817, 0.6400, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 54.6744, 0.3169, 0.2394 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

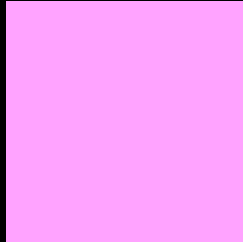
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.6744, 0.3169, 0.2394 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 54.6744, 0.3169, 0.2394**

## Background



This preview shows how black text looks on a background with the Yxy color 54.6744, 0.3169, 0.2394.



This preview shows how white text looks on a background with the Yxy color 54.6744, 0.3169, 0.2394.

# 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

54.6744, 0.3169, 0.2394

### Protanopia

55.2686, 0.2611, 0.2591

### Deuteranopia

55.0405, 0.2690, 0.2627



## Tritanopia

54.3612, 0.3630, 0.3141

# Trichromacy



## Original Color

54.6744, 0.3169, 0.2394



## Protanomaly

54.2088, 0.2791, 0.2504



## Deuteranomaly

53.9249, 0.2846, 0.2518



## Tritanomaly

54.1206, 0.3453, 0.2841

# Monochromacy



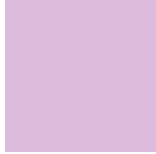
## Original Color

54.6744, 0.3169, 0.2394



## Achromatopsia

58.4078, 0.3127, 0.3290



## Achromatomaly

56.1333, 0.3145, 0.2911

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.6744, 0.3169, 0.2394 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, 163, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 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, 163, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 54.6744, 0.3169, 0.2394 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, 163, 255) }
```

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

```
.border{ border-color:rgb(255, 163, 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, 163, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.6744, 0.3169, 0.2394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 163, 255) }
```

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

```
.background{ background-color: rgb(255,  
163, 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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