

# Converting Colors

$Y_{xy}(53.2120, 0.3259, 0.2473)$

Have a look what the booklet for  
Yxy(53.2120, 0.3259, 0.2473)  
contains.

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# Color

**Yxy(53.2814, 0.3259, 0.2469)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA1F4
RGB	255, 161, 244
RGB Percent	100%, 63%, 96%
CMY	0.0000, 0.3687, 0.0430
CMYK	0.00, 0.37, 0.04, 0.00
HSL	307°, 100%, 82%
HSV	307°, 37%, 100%
XYZ	70.3297, 53.2814, 92.1904
YIQ	198.5680, 29.3810, 45.7410

# Conversions

## Conversions Part 2

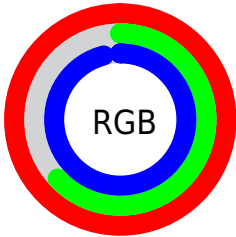
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 161, 244
Decimal	16753140
CIE Lab	78.04, 46.89, -27.07
CIE LCh	78, 54.144, 330.005
Yxy	53.2814, 0.3259, 0.2469
Android (android.graphics.Color)	4294943220 (0xFFFFA1F4)
YUV	198.5680, 22.3980, 49.4909
Hunter-Lab	72.9941, 44.2448, -23.7865

# Details

The Yxy color **53.2814, 0.3259, 0.2469** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **82.0711, 0.3019, 0.4280**, and the grayscale version is **56.6758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1057, 0.3145, 0.2920**, and **26.0165, 0.3277, 0.2282** is the 20% darker color. If you saturate the color by 10%, you get **45.0756, 0.3302, 0.2260**, and if you desaturate by 10%, it is **63.2949, 0.3218, 0.2691**.

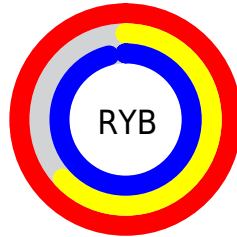
# Distribution



Red (100%)

Green (63%)

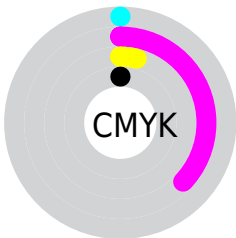
Blue (96%)



Red (100%)

Yellow (63%)

Blue (96%)

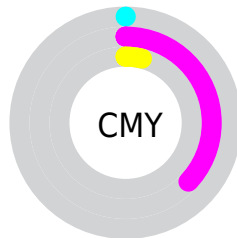


Cyan (0%)

Magenta (37%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (37%)


Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.2814, 0.3259, 0.2469 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 53.2814, 0.3259, 0.2469 by changing the saturation by 10% instead.




 53.2814, 0.3259,  
0.2469


 53.2814, 0.3259,  
0.2469

399.3638, 0.3207,  
0.2840

 38.0275, 0.3269,  
0.2387


 95.0183, 0.3243,  
0.2596

 26.0040, 0.3279,  
0.2287


 122.2701, 0.3236,  
0.2646

 16.8266, 0.3291,  
0.2163


154.2899, 0.3230,  
0.2689

 10.1110, 0.3304,  
0.2005

191.4622, 0.3224,  
0.2727

 5.4726, 0.3315,  
0.1798

234.1713, 0.3219,  
0.2760

 2.5271, 0.3319,  
0.1520

282.8017, 0.3215,

 0.8902, 0.3298,

0.2790

0.1132

337.7377, 0.3211,  
0.2816

0.0000, 0.3393,  
0.0000

0.0000, 0.0000,  
0.0000

53.2814, 0.3259,  
0.2469

53.2814, 0.3259,  
0.2469

45.0756, 0.3302,  
0.2260

63.2949, 0.3218,  
0.2691

38.5848, 0.3348,  
0.2075

75.2363, 0.3181,  
0.2917

33.6794, 0.3394,  
0.1923

89.1939, 0.3148,  
0.3141

30.2194, 0.3439,  
0.1811

100.0000, 0.3127,  
0.3290

■ 28.0404, 0.3482,  
0.1745

■ 26.9343, 0.3522,  
0.1722

■ 26.7101, 0.3534,  
0.1720

# Harmonies

## Analogous

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



53.2814, 0.2572, 0.2229



53.2814, 0.3259, 0.2469



53.2814, 0.3986, 0.2879

# Triad

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



53.2814, 0.3259, 0.2469



53.2814, 0.4183, 0.4401



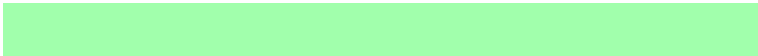
53.2814, 0.1940, 0.2952

# Complementary

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



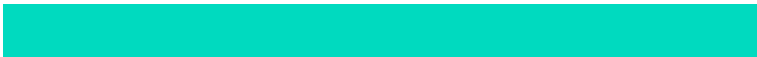
53.2814, 0.3259, 0.2469



82.0711, 0.3019, 0.4280

# 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.



53.2814, 0.2284, 0.3694



53.2814, 0.3259, 0.2469



53.2814, 0.3570, 0.4622

# Square

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



53.2814, 0.3259, 0.2469



53.2814, 0.4534, 0.3929



53.2814, 0.2874, 0.4373



53.2814, 0.1882, 0.2436



# Rectangle

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



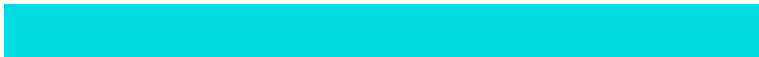
53.2814, 0.3259, 0.2469



53.2814, 0.4355, 0.3214



53.2814, 0.2874, 0.4373



53.2814, 0.2023, 0.3183

# Sweetspot

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



53.2752, 0.3259, 0.2469



83.1819, 0.3161, 0.3049



41.2900, 0.2513, 0.2187



17.3982, 0.3165, 0.3019



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.



53.2752, 0.3259, 0.2469



47.2504, 0.3290, 0.2318



50.8460, 0.3665, 0.2901



18.2617, 0.3156, 0.3083



13.9712, 0.3528, 0.1717



1.3702, 0.3486, 0.1694



# Inverse Universe

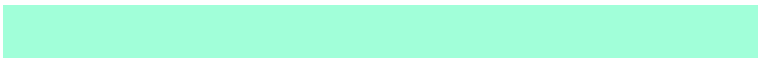
The Inverse Universe completely reimagines the original color for something new.



53.2752, 0.3259, 0.2469



47.2504, 0.3290, 0.2318



84.1248, 0.2789, 0.3723



18.2617, 0.3156, 0.3083



13.9712, 0.3528, 0.1717



1.3702, 0.3486, 0.1694



# Previews

## White Background



This preview shows how the Yxy color 53.2814, 0.3259, 0.2469 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

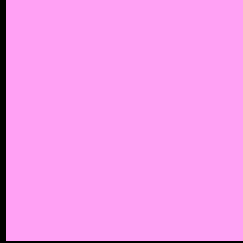
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.2814, 0.3259, 0.2469 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

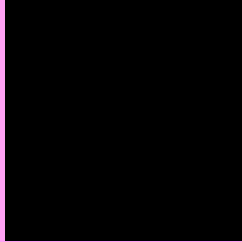
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.2814, 0.3259, 0.2469**

## Background



This preview shows how black text looks on a background with the Yxy color 53.2814, 0.3259, 0.2469.



This preview shows how white text looks on a background with the Yxy color 53.2814, 0.3259, 0.2469.

# 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

53.2814, 0.3259, 0.2469

### Protanopia

53.5956, 0.2588, 0.2552

### Deuteranopia

53.4460, 0.2776, 0.2709



## Tritanopia

53.3888, 0.3691, 0.3152

# Trichromacy



## Original Color

53.2814, 0.3259, 0.2469



## Protanomaly

52.4449, 0.2800, 0.2505



## Deuteranomaly

52.7372, 0.2936, 0.2605



## Tritanomaly

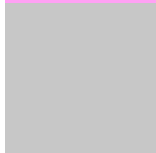
53.3902, 0.3535, 0.2893

# Monochromacy



## Original Color

53.2814, 0.3259, 0.2469



## Achromatopsia

57.1125, 0.3127, 0.3290



## Achromatomaly

54.6643, 0.3176, 0.2951

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.2814, 0.3259, 0.2469 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, 161, 244)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 244)  
}
```

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, 161, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 53.2814, 0.3259, 0.2469 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, 161, 244) }
```

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

```
.border{ border-color:rgb(255, 161, 244) }
```

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

Here you see how a box with a 4 pixel rgb(255, 161, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 161, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 161, 244);  
box-shadow:4px 4px 4px 4px rgb(255, 161,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.2814, 0.3259, 0.2469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 161, 244) }
```

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

```
.background{ background-color: rgb(255,  
161, 244) }
```

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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