

# Converting Colors

$Y_{xy}(50.5519, 0.3122, 0.2310)$

Have a look what the booklet for  
Yxy(50.5519, 0.3122, 0.2310)  
contains.

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# Color

**Yxy(50.5549, 0.3123, 0.2311)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F89BFE
RGB	248, 155, 254
RGB Percent	97%, 61%, 100%
CMY	0.0274, 0.3921, 0.0041
CMYK	0.02, 0.39, 0.00, 0.00
HSL	296°, 98%, 80%
HSV	296°, 39%, 100%
XYZ	68.3180, 50.5549, 99.8848
YIQ	194.0930, 23.6490, 50.5050

# Conversions

## Conversions Part 2

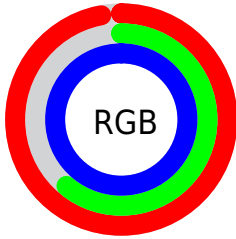
Format	Color
R <sub>Y</sub> B	248, 155, 254
Decimal	16292862
CIE Lab	76.41, 49.57, -35.01
CIE LCh	76, 60.688, 324.773
Yxy	50.5549, 0.3123, 0.2311
Android (android.graphics.Color)	4294482942 (0xFFFF89BFE)
YUV	194.0930, 29.5342, 47.2764
Hunter-Lab	71.1020, 47.0825, -33.5198

# Details

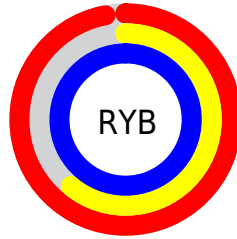
The Yxy color **50.5549, 0.3123, 0.2311** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.7946, 0.3105, 0.4477**, and the grayscale version is **53.8197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0685, 0.3147, 0.2861**, and **24.2857, 0.3104, 0.2096** is the 20% darker color. If you saturate the color by 10%, you get **42.6961, 0.3117, 0.2080**, and if you desaturate by 10%, it is **60.1978, 0.3127, 0.2559**.

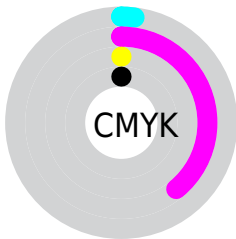
# Distribution



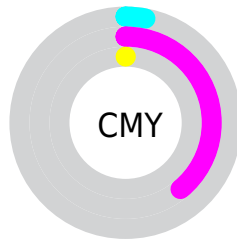
- Red (97%)
- Green (61%)
- Blue (100%)



- Red (97%)
- Yellow (61%)
- Blue (100%)



- Cyan (2%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)




- Cyan (3%)
- Magenta (39%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.5549, 0.3123, 0.2311 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 50.5549, 0.3123, 0.2311 by changing the saturation by 10% instead.





 50.5549, 0.3123,  
0.2311

 50.5549, 0.3123,  
0.2311


388.8320, 0.3140,  
0.2750

 35.8545, 0.3115,  
0.2215


 90.9965, 0.3132,  
0.2460

 24.3218, 0.3104,  
0.2099


 117.5065, 0.3135,  
0.2519

 15.5725, 0.3087,  
0.1956


148.7218, 0.3136,  
0.2570

 9.2222, 0.3061,  
0.1776

185.0268, 0.3138,  
0.2615

 4.8864, 0.3016,  
0.1545

226.8060, 0.3139,  
0.2655

 2.1808, 0.2937,  
0.1242

274.4436, 0.3139,

 0.7095, 0.2787,

0.2690

0.0833

328.3242, 0.3140,  
0.2722

0.0000, 0.2542,  
0.0000

0.0000, 0.0000,  
0.0000

50.5549, 0.3123,  
0.2311

50.5549, 0.3123,  
0.2311

42.6961, 0.3117,  
0.2080

60.1978, 0.3127,  
0.2559

36.5023, 0.3109,  
0.1876

71.7206, 0.3128,  
0.2815

31.8507, 0.3099,  
0.1708

85.2204, 0.3128,  
0.3069

28.5985, 0.3086,  
0.1583

99.7651, 0.3128,  
0.3300

■ 26.5763, 0.3072, 99.9329, 0.3133,  
0.1502 0.3300

■ 25.5349, 0.3058,  
0.1461

■ 25.4501, 0.3056,  
0.1457

# Harmonies

## Analogous

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



50.5549, 0.2385, 0.2084



50.5549, 0.3123, 0.2311



50.5549, 0.3969, 0.2734

# Triad

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



50.5549, 0.3123, 0.2311



50.5549, 0.4401, 0.4443



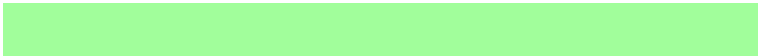
50.5549, 0.1839, 0.3025

# Complementary

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



50.5549, 0.3123, 0.2311



80.7946, 0.3105, 0.4477

# 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.



50.5549, 0.2267, 0.3907



50.5549, 0.3123, 0.2311



50.5549, 0.3741, 0.4797

# Square

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



50.5549, 0.3123, 0.2311



50.5549, 0.4744, 0.3877



50.5549, 0.2960, 0.4640



50.5549, 0.1727, 0.2395



# Rectangle

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



50.5549, 0.3123, 0.2311



50.5549, 0.4435, 0.3089



50.5549, 0.2960, 0.4640



50.5549, 0.1946, 0.3303

# Sweetspot

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



50.5571, 0.3123, 0.2311



81.6594, 0.3129, 0.2992



39.8249, 0.2416, 0.2174



17.0900, 0.3129, 0.2959



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.



50.5571, 0.3123, 0.2311



44.5092, 0.3118, 0.2123



49.2157, 0.3548, 0.2714



18.2415, 0.3128, 0.3055



13.4466, 0.3059, 0.1459



1.3255, 0.3077, 0.1469



# Inverse Universe

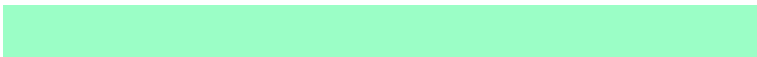
The Inverse Universe completely reimagines the original color for something new.



47.0803, 0.4048, 0.3230



40.5934, 0.4348, 0.3219



81.8967, 0.2855, 0.3955



18.0048, 0.3285, 0.3276



11.1341, 0.6340, 0.3266



1.0900, 0.6200, 0.3189



# Previews

## White Background



This preview shows how the Yxy color 50.5549, 0.3123, 0.2311 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

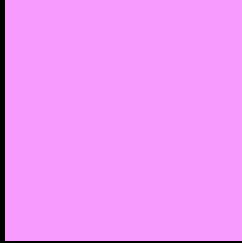
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.5549, 0.3123, 0.2311 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

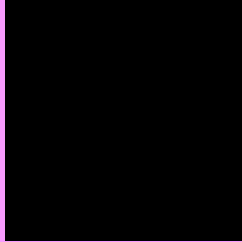
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.5549, 0.3123, 0.2311**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.5549, 0.3123, 0.2311.



This preview shows how white text looks on a background with the Yxy color 50.5549, 0.3123, 0.2311.

# 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

50.5549, 0.3123, 0.2311

### Protanopia

51.0855, 0.2538, 0.2495

### Deuteranopia

51.0091, 0.2621, 0.2562



## Tritanopia

50.5191, 0.3646, 0.3148

# Trichromacy



## Original Color

50.5549, 0.3123, 0.2311



## Protanomaly

49.7503, 0.2720, 0.2399



## Deuteranomaly

50.1186, 0.2789, 0.2455



## Tritanomaly

50.3910, 0.3445, 0.2819

# Monochromacy



## Original Color

50.5549, 0.3123, 0.2311



## Achromatopsia

53.9479, 0.3127, 0.3290



## Achromatomaly

51.8965, 0.3130, 0.2878

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.5549, 0.3123, 0.2311 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(248, 155, 254)` looks like.

```
.text, #text, p{  
    color:rgb(248, 155, 254)  
}
```

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(248, 155, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 155, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 50.5549, 0.3123, 0.2311 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(248, 155, 254) }
```

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

```
.border{ border-color:rgb(248, 155, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 155, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 155, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 155, 254);  
box-shadow:4px 4px 4px 4px rgb(248, 155,  
254) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.5549, 0.3123, 0.2311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 155, 254) }
```

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

```
.background{ background-color: rgb(248,  
155, 254) }
```

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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