

# Converting Colors

Yxy(51.4382, 0.3195, 0.2397)

Have a look what the booklet for  
Yxy(51.4382, 0.3195, 0.2397)  
contains.

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**Color**

**Yxy(51.4931, 0.3194, 0.2403)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FA9EF7
RGB	250, 158, 247
RGB Percent	98%, 62%, 97%
CMY	0.0196, 0.3804, 0.0313
CMYK	0.00, 0.37, 0.01, 0.02
HSL	302°, 90%, 80%
HSV	302°, 37%, 98%
XYZ	68.4432, 51.4931, 94.3504
YIQ	195.6540, 26.2630, 47.1830

# Conversions

## Conversions Part 2

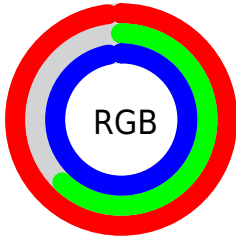
Format	Color
R <sub>Y</sub> B	250, 158, 247
Decimal	16424695
CIE Lab	76.98, 47.40, -30.37
CIE LCh	77, 56.293, 327.352
Yxy	51.4931, 0.3194, 0.2403
Android (android.graphics.Color)	4294614775 (0xFFFA9EF7)
YUV	195.6540, 25.3136, 47.6614
Hunter-Lab	71.7587, 44.6749, -27.7252

# Details

The Yxy color **51.4931, 0.3194, 0.2403** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **78.2136, 0.3059, 0.4373**, and the grayscale version is **54.8196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5731, 0.3146, 0.2891**, and **24.8248, 0.3201, 0.2208** is the 20% darker color. If you saturate the color by 10%, you get **43.7669, 0.3213, 0.2181**, and if you desaturate by 10%, it is **60.9587, 0.3175, 0.2641**.

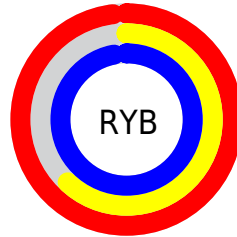
# Distribution



Red (98%)

Green (62%)

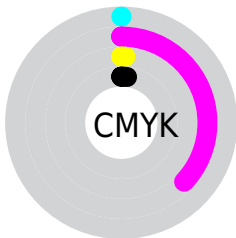
Blue (97%)



Red (98%)

Yellow (62%)

Blue (97%)

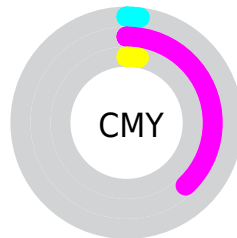


Cyan (0%)

Magenta (37%)

Yellow (1%)

Black (2%)



Cyan (2%)

Magenta (38%)


Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4931, 0.3194, 0.2403 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 51.4931, 0.3194, 0.2403 by changing the saturation by 10% instead.





 51.4931, 0.3194,  
0.2403


 51.4931, 0.3194,  
0.2403

392.4766, 0.3175,  
0.2804

 36.6012, 0.3196,  
0.2315


 92.3832, 0.3190,  
0.2540

 24.8989, 0.3196,  
0.2207


 119.1503, 0.3187,  
0.2593

 16.0017, 0.3194,  
0.2074


150.6444, 0.3185,  
0.2640

 9.5254, 0.3188,  
0.1905

187.2502, 0.3183,  
0.2681

 5.0854, 0.3173,  
0.1685

229.3519, 0.3180,  
0.2717

 2.2975, 0.3137,  
0.1392

277.3339, 0.3178,

 0.7724, 0.3051,

0.2749

0.0987

331.5807, 0.3176,  
0.2778

0.0000, 0.2958,  
0.0000

0.0000, 0.0000,  
0.0000

51.4931, 0.3194,  
0.2403

51.4931, 0.3194,  
0.2403

43.7669, 0.3213,  
0.2181

60.9587, 0.3175,  
0.2641

37.6673, 0.3232,  
0.1985

72.2538, 0.3156,  
0.2886

33.0793, 0.3250,  
0.1824

85.4705, 0.3138,  
0.3129

29.8698, 0.3265,  
0.1704

98.7627, 0.3123,  
0.3336

27.8825, 0.3279,  
0.1628

98.8136, 0.3119,  
0.3328

26.9198, 0.3290,  
0.1594

98.8646, 0.3114,  
0.3320

26.7306, 0.3293,  
0.1588

98.9159, 0.3110,  
0.3312

98.9674, 0.3105,  
0.3304

99.0192, 0.3100,  
0.3297

# Harmonies

## Analogous

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



51.4931, 0.2490, 0.2171



51.4931, 0.3194, 0.2403



51.4931, 0.3968, 0.2815

# Triad

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



51.4931, 0.3194, 0.2403



51.4931, 0.4275, 0.4411



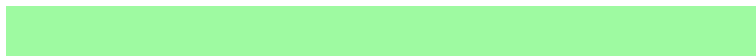
51.4931, 0.1906, 0.2992

# Complementary

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



51.4931, 0.3194, 0.2403



78.2136, 0.3059, 0.4373

# 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.



51.4931, 0.2287, 0.3787



51.4931, 0.3194, 0.2403



51.4931, 0.3648, 0.4689

# Square

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



51.4931, 0.3194, 0.2403



51.4931, 0.4616, 0.3901



51.4931, 0.2920, 0.4482



51.4931, 0.1822, 0.2428



# Rectangle

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



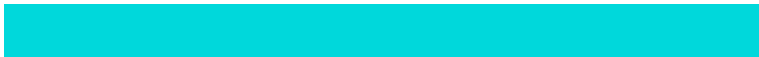
51.4931, 0.3194, 0.2403



51.4931, 0.4377, 0.3157



51.4931, 0.2920, 0.4482



51.4931, 0.2000, 0.3241

# Sweetspot

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



51.4954, 0.3194, 0.2403



83.3326, 0.3146, 0.3027



38.7818, 0.2462, 0.2175



17.4344, 0.3148, 0.2994



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.



51.4954, 0.3194, 0.2403



47.8336, 0.3208, 0.2240



49.0646, 0.3589, 0.2823



17.5143, 0.3143, 0.3064



14.1829, 0.3292, 0.1587



1.3165, 0.3281, 0.1581



# Inverse Universe

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



51.4954, 0.3194, 0.2403



47.8336, 0.3208, 0.2240



80.0749, 0.2829, 0.3815



17.5143, 0.3143, 0.3064



14.1829, 0.3292, 0.1587



1.3165, 0.3281, 0.1581



# Previews

## White Background



This preview shows how the Yxy color 51.4931, 0.3194, 0.2403 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

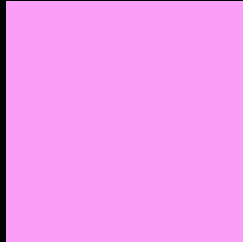
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.4931, 0.3194, 0.2403 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

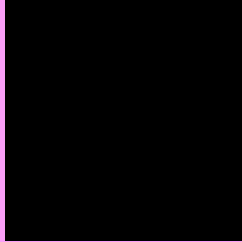
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.4931, 0.3194, 0.2403**

## Background



This preview shows how black text looks on a background with the Yxy color 51.4931, 0.3194, 0.2403.



This preview shows how white text looks on a background with the Yxy color 51.4931, 0.3194, 0.2403.

# 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

51.4931, 0.3194, 0.2403

### Protanopia

51.8444, 0.2558, 0.2511

### Deuteranopia

51.8965, 0.2706, 0.2645



## Tritanopia

51.4638, 0.3661, 0.3149

# Trichromacy



## Original Color

51.4931, 0.3194, 0.2403



## Protanomaly

50.7519, 0.2762, 0.2455



## Deuteranomaly

50.8477, 0.2868, 0.2532



## Tritanomaly

51.1899, 0.3488, 0.2854

# Monochromacy



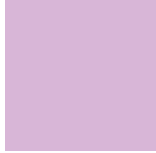
## Original Color

51.4931, 0.3194, 0.2403



## Achromatopsia

55.2011, 0.3127, 0.3290



## Achromatomaly

52.9611, 0.3153, 0.2914

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.4931, 0.3194, 0.2403 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(250, 158, 247)` looks like.

```
.text, #text, p{  
    color:rgb(250, 158, 247)  
}
```

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(250, 158, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 158, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 51.4931, 0.3194, 0.2403 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(250, 158, 247) }
```

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

```
.border{ border-color:rgb(250, 158, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 158, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 158, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 158, 247);  
box-shadow:4px 4px 4px 4px rgb(250, 158,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.4931, 0.3194, 0.2403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 158, 247) }
```

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

```
.background{ background-color: rgb(250,  
158, 247) }
```

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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