

Converting Colors

$Yxy(38.9033, 0.3257, 0.1993)$

Have a look what the booklet for
Yxy(38.9033, 0.3257, 0.1993)
contains.

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Color

Yxy(38.9746, 0.3254, 0.1993)

Conversions

Conversions Part 1

Format	Color
Hex	FF6DF8
RGB	255, 109, 248
RGB Percent	100%, 43%, 97%
CMY	0.0002, 0.5723, 0.0276
CMYK	0.00, 0.57, 0.03, 0.00
HSL	303°, 100%, 71%
HSV	303°, 57%, 100%
XYZ	63.6344, 38.9746, 92.9485
YIQ	168.5000, 42.3970, 74.1810

Conversions

Conversions Part 2

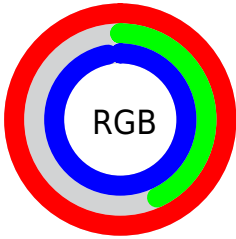
Format	Color
R _Y B	255, 109, 248
Decimal	16739832
CIE _{Lab}	68.73, 72.18, -43.63
CIE _{LCh}	69, 84.345, 328.847
Yxy	38.9746, 0.3254, 0.1993
Android (android.graphics.Color)	4294929912 (0xFFFF6DF8)
YUV	168.5000, 39.1935, 75.8605
Hunter-Lab	62.4296, 72.6928, -44.5733

Details

The Yxy color **38.9746, 0.3254, 0.1993** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **76.0068, 0.3013, 0.5066**, and the grayscale version is **39.2128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1174, 0.3167, 0.2431**, and **17.3177, 0.3253, 0.1713** is the 20% darker color. If you saturate the color by 10%, you get **34.2241, 0.3276, 0.1835**, and if you desaturate by 10%, it is **45.3064, 0.3231, 0.2186**.

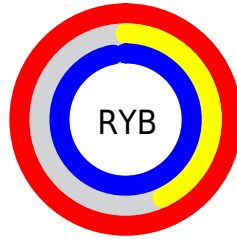
Distribution



Red (100%)

Green (43%)

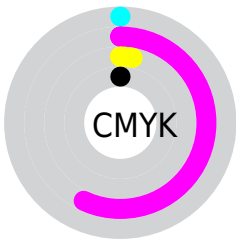
Blue (97%)



Red (100%)

Yellow (43%)

Blue (97%)

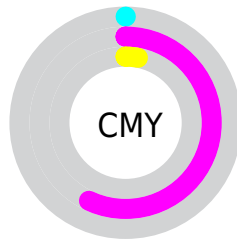


Cyan (0%)

Magenta (57%)

Yellow (3%)

Black (0%)



Cyan (0%)


Magenta (57%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.9746, 0.3254, 0.1993 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 38.9746, 0.3254, 0.1993 by changing the saturation by 10% instead.


 38.9746, 0.3254,
0.1993


 38.9746, 0.3254,
0.1993

341.7825, 0.3220,
0.2574


 26.7400, 0.3255,
0.1867


 73.5995, 0.3247,
0.2189

 17.3780, 0.3254,
0.1717


 96.7586, 0.3243,
0.2267

 10.5044, 0.3246,
0.1533


 124.3279, 0.3239,
0.2335

 5.7346, 0.3227,
0.1308

156.6919, 0.3235,
0.2395

 2.6844, 0.3184,
0.1029

194.2350, 0.3231,
0.2448

 0.9693, 0.3092,
0.0690

237.3415, 0.3227,

 0.0000, 0.2978,

0.2494

0.0000

286.3959, 0.3223,
0.2536

0.0000, 0.2336,
0.0000

0.0000, 0.0000,
0.0000

38.9746, 0.3254,
0.1993

38.9746, 0.3254,
0.1993

34.2241, 0.3276,
0.1835

45.3064, 0.3231,
0.2186

30.9089, 0.3297,
0.1719

53.3380, 0.3207,
0.2405


28.8654, 0.3315,
0.1646

63.1826, 0.3184,
0.2640

27.8808, 0.3331,
0.1616

74.9423, 0.3161,
0.2881

 27.7067, 0.3335,
0.1611

 88.7116, 0.3141,
0.3121

99.9910, 0.3127,
0.3290

Harmonies

Analogous

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



38.9746, 0.2167, 0.1661



38.9746, 0.3254, 0.1993



38.9746, 0.4545, 0.2564

Triad

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



38.9746, 0.3254, 0.1993



38.9746, 0.4710, 0.4887



38.9746, 0.1284, 0.2661

Complementary

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



38.9746, 0.3254, 0.1993



76.0068, 0.3013, 0.5066

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.



38.9746, 0.1741, 0.4026



38.9746, 0.3254, 0.1993



38.9746, 0.3708, 0.5561

Square

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



38.9746, 0.3254, 0.1993



38.9746, 0.5389, 0.4041



38.9746, 0.2630, 0.5357



38.9746, 0.1229, 0.1894

Rectangle

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



38.9746, 0.3254, 0.1993



38.9746, 0.5202, 0.3025



38.9746, 0.2630, 0.5357



38.9746, 0.1386, 0.3056

Sweetspot

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



38.9764, 0.3254, 0.1993



75.2592, 0.3161, 0.2887



21.7393, 0.2039, 0.1456



15.5668, 0.3165, 0.2838



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.



38.9764, 0.3254, 0.1993



33.5484, 0.3280, 0.1811



35.3812, 0.4029, 0.2608



18.2845, 0.3145, 0.3067



14.4900, 0.3333, 0.1610



1.4153, 0.3318, 0.1601

Inverse Universe

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



38.9764, 0.3254, 0.1993



33.5484, 0.3280, 0.1811



78.3271, 0.2703, 0.4151



18.2845, 0.3145, 0.3067



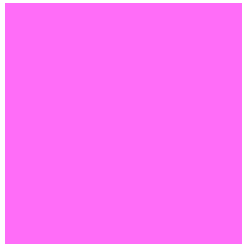
14.4900, 0.3333, 0.1610



1.4153, 0.3318, 0.1601

Previews

White Background



This preview shows how the Yxy color 38.9746, 0.3254, 0.1993 looks on a white background.

Color Contrast Check

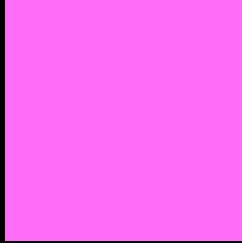
Large Text (above 18pt) WCAG AA × Fail

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 38.9746, 0.3254, 0.1993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

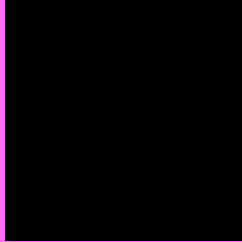
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.9746, 0.3254, 0.1993

Background



This preview shows how black text looks on a background with the Yxy color 38.9746, 0.3254, 0.1993.



This preview shows how white text looks on a background with the Yxy color 38.9746, 0.3254, 0.1993.

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

38.9746, 0.3254, 0.1993

Protanopia

39.2812, 0.2295, 0.2173

Deuteranopia

39.1963, 0.2427, 0.2365



Tritanopia

38.7383, 0.4188, 0.3184

Trichromacy



Original Color

38.9746, 0.3254, 0.1993



Protanomaly

36.8628, 0.2573, 0.2049



Deuteranomaly

36.7289, 0.2670, 0.2147



Tritanomaly

38.1148, 0.3835, 0.2688

Monochromacy



Original Color

38.9746, 0.3254, 0.1993



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

37.2240, 0.3176, 0.2660

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9746, 0.3254, 0.1993 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, 109, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 109, 248)  
}
```

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, 109, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 109, 248) }
```

Border

The CSS property to change the border of an element to Yxy 38.9746, 0.3254, 0.1993 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, 109, 248) }
```

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

```
.border{ border-color:rgb(255, 109, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 109, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 109, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 109, 248);  
box-shadow:4px 4px 4px 4px rgb(255, 109,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9746, 0.3254, 0.1993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 109, 248) }
```

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

```
.background{ background-color: rgb(255,  
109, 248) }
```

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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