

Converting Colors

$Y_{xy}(47.2655, 0.3672, 0.2204)$

Have a look what the booklet for
Yxy(47.2655, 0.3672, 0.2204)
contains.

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Color

Yxy(38.9798, 0.3319, 0.2060)

Conversions

Conversions Part 1

Format	Color
Hex	FF6FF1
RGB	255, 111, 241
RGB Percent	100%, 44%, 95%
CMY	0.0000, 0.5647, 0.0549
CMYK	0.00, 0.56, 0.05, 0.00
HSL	306°, 100%, 72%
HSV	306°, 56%, 100%
XYZ	62.8029, 38.9798, 87.4396
YIQ	168.8760, 44.0940, 70.9580

Conversions

Conversions Part 2

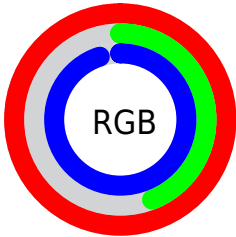
Format	Color
R _Y B	255, 111, 241
Decimal	16740337
CIE Lab	68.74, 70.25, -39.80
CIE LCh	69, 80.743, 330.465
Yxy	38.9798, 0.3319, 0.2060
Android (android.graphics.Color)	4294930417 (0xFFFF6FF1)
YUV	168.8760, 35.5571, 75.5307
Hunter-Lab	62.4338, 70.2961, -39.3330

Details

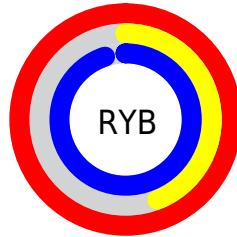
The Yxy color **38.9798, 0.3319, 0.2060** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **76.3803, 0.2986, 0.4956**, and the grayscale version is **39.4177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8559, 0.3167, 0.2450**, and **17.3440, 0.3342, 0.1795** is the 20% darker color. If you saturate the color by 10%, you get **34.0410, 0.3358, 0.1904**, and if you desaturate by 10%, it is **45.5112, 0.3280, 0.2249**.

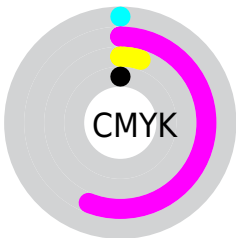
Distribution



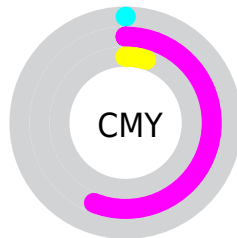
- Red (100%)
- Green (44%)
- Blue (95%)



- Red (100%)
- Yellow (44%)
- Blue (95%)



- Cyan (0%)
- Magenta (56%)
- Yellow (5%)
- Black (0%)




- Cyan (0%)
- Magenta (56%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.9798, 0.3319, 0.2060 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 38.9798, 0.3319, 0.2060 by changing the saturation by 10% instead.


 38.9798, 0.3319,
0.2060


 38.9798, 0.3319,
0.2060

341.8046, 0.3250,
0.2616


 26.7440, 0.3329,
0.1938


 73.6075, 0.3299,
0.2249

 17.3811, 0.3339,
0.1791


 96.7681, 0.3290,
0.2324

 10.5066, 0.3347,
0.1611


 124.3392, 0.3282,
0.2389

 5.7361, 0.3349,
0.1387

156.7051, 0.3274,
0.2446

 2.6853, 0.3336,
0.1107

194.2502, 0.3267,
0.2496

 0.9697, 0.3286,
0.0757

237.3589, 0.3261,

 0.0000, 0.3254,

0.2541

0.0000

286.4155, 0.3255,
0.2581

■ 0.0000, 0.2607,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.9798, 0.3319,
0.2060

■ 38.9798, 0.3319,
0.2060

■ 34.0410, 0.3358,
0.1904

■ 45.5112, 0.3280,
0.2249

■ 30.5514, 0.3396,
0.1789

■ 53.7537, 0.3242,
0.2462


■ 28.3493, 0.3432,
0.1718

■ 63.8197, 0.3207,
0.2688

■ 27.2306, 0.3464,
0.1691

■ 75.8105, 0.3174,
0.2919

 26.9858, 0.3475,
0.1688

 89.8202, 0.3144,
0.3147

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



38.9798, 0.2250, 0.1721



38.9798, 0.3319, 0.2060



38.9798, 0.4548, 0.2628

Triad

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



38.9798, 0.3319, 0.2060



38.9798, 0.4628, 0.4895



38.9798, 0.1331, 0.2639

Complementary

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



38.9798, 0.3319, 0.2060



76.3803, 0.2986, 0.4956

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.



38.9798, 0.1760, 0.3917



38.9798, 0.3319, 0.2060



38.9798, 0.3652, 0.5489

Square

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



38.9798, 0.3319, 0.2060



38.9798, 0.5294, 0.4084



38.9798, 0.2608, 0.5208



38.9798, 0.1291, 0.1920

Rectangle

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



38.9798, 0.3319, 0.2060



38.9798, 0.5154, 0.3083



38.9798, 0.2608, 0.5208



38.9798, 0.1425, 0.3009

Sweetspot

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



38.9812, 0.3319, 0.2060



75.1238, 0.3175, 0.2907



22.8010, 0.2098, 0.1500



15.5345, 0.3182, 0.2860



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.



38.9812, 0.3319, 0.2060



33.4164, 0.3364, 0.1884



35.5701, 0.4100, 0.2687



18.2682, 0.3153, 0.3078



14.1131, 0.3471, 0.1686



1.3826, 0.3437, 0.1667

Inverse Universe

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



38.9812, 0.3319, 0.2060



33.4164, 0.3364, 0.1884



78.8400, 0.2674, 0.4041



18.2682, 0.3153, 0.3078



14.1131, 0.3471, 0.1686



1.3826, 0.3437, 0.1667

Previews

White Background



This preview shows how the Yxy color 38.9798, 0.3319, 0.2060 looks on a white background.

Color Contrast Check

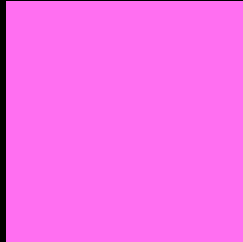
Large Text (above 18pt) WCAG AA × Fail

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 38.9798, 0.3319, 0.2060 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 38.9798, 0.3319, 0.2060

Background



This preview shows how black text looks on a background with the Yxy color 38.9798, 0.3319, 0.2060.



This preview shows how white text looks on a background with the Yxy color 38.9798, 0.3319, 0.2060.

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

38.9798, 0.3319, 0.2060

Protanopia

39.2812, 0.2295, 0.2173

Deuteranopia

39.3017, 0.2494, 0.2436



Tritanopia

38.8857, 0.4209, 0.3195

Trichromacy



Original Color

38.9798, 0.3319, 0.2060



Protanomaly

36.7366, 0.2585, 0.2066



Deuteranomaly

36.9950, 0.2745, 0.2231



Tritanomaly

38.4305, 0.3876, 0.2732

Monochromacy



Original Color

38.9798, 0.3319, 0.2060



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

37.3993, 0.3203, 0.2707

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9798, 0.3319, 0.2060 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, 111, 241)` looks like.

```
.text, #text, p{  
    color:rgb(255, 111, 241)  
}
```

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, 111, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 111, 241) }
```

Border

The CSS property to change the border of an element to Yxy 38.9798, 0.3319, 0.2060 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, 111, 241) }
```

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

```
.border{ border-color:rgb(255, 111, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 111, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 111, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 111, 241);  
box-shadow:4px 4px 4px 4px rgb(255, 111,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9798, 0.3319, 0.2060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 111, 241) }
```

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

```
.background{ background-color: rgb(255,  
111, 241) }
```

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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