

# Converting Colors

Yxy(38.8343, 0.3191, 0.1922)

Have a look what the booklet for  
Yxy(38.8343, 0.3191, 0.1922)  
contains.

<b>Yxy(38.7881, 0.3191, 0.1921)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(38.7881, 0.3191, 0.1921)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF6AFF
RGB	255, 106, 255
RGB Percent	100%, 42%, 100%
CMY	0.0002, 0.5841, 0.0000
CMYK	0.00, 0.58, 0.00, 0.00
HSL	300°, 100%, 71%
HSV	300°, 58%, 100%
XYZ	64.4315, 38.7881, 98.6966
YIQ	167.5370, 40.9750, 77.9270

# Conversions

## Conversions Part 2

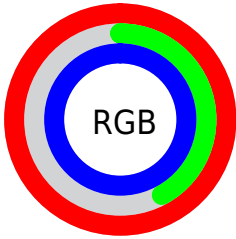
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 106, 255
Decimal	16739071
CIE Lab	68.60, 74.58, -47.70
CIE LCh	69, 88.532, 327.399
Yxy	38.7881, 0.3191, 0.1921
Android (android.graphics.Color)	4294929151 (0xFFFF6AFF)
YUV	167.5370, 43.1193, 76.7051
Hunter-Lab	62.2801, 75.6758, -50.3621

# Details

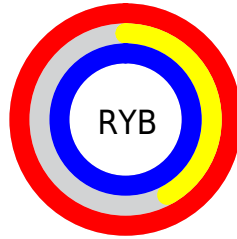
The Yxy color **38.7881, 0.3191, 0.1921** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **75.6302, 0.3038, 0.5185**, and the grayscale version is **38.6971, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0309, 0.3169, 0.2403**, and **17.2652, 0.3167, 0.1633** is the 20% darker color. If you saturate the color by 10%, you get **34.2884, 0.3198, 0.1764**, and if you desaturate by 10%, it is **44.8535, 0.3182, 0.2115**.

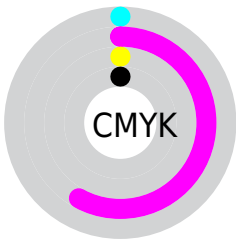
# Distribution



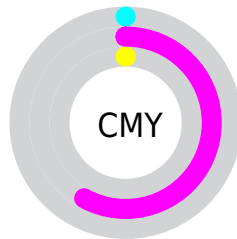
- Red (100%)
- Green (42%)
- Blue (100%)



- Red (100%)
- Yellow (42%)
- Blue (100%)



- Cyan (0%)
- Magenta (58%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (58%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.7881, 0.3191, 0.1921 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 38.7881, 0.3191, 0.1921 by changing the saturation by 10% instead.





 38.7881, 0.3191,  
0.1921


 38.7881, 0.3191,  
0.1921


340.9887, 0.3191,  
0.2529

 26.5949, 0.3184,  
0.1791


 73.3145, 0.3197,  
0.2125

 17.2692, 0.3171,  
0.1637


 96.4165, 0.3198,  
0.2206

 10.4266, 0.3148,  
0.1450


 123.9236, 0.3197,  
0.2277

 5.6827, 0.3109,  
0.1223

156.2201, 0.3197,  
0.2340

 2.6531, 0.3040,  
0.0947

193.6905, 0.3195,  
0.2395

 0.9535, 0.2910,  
0.0619

236.7191, 0.3194,

 0.0000, 0.2729,

0.2444

0.0000

285.6904, 0.3193,  
0.2489

0.0000, 0.2095,  
0.0000

0.0000, 0.0000,  
0.0000

38.7881, 0.3191,  
0.1921

38.7881, 0.3191,  
0.1921

34.2884, 0.3198,  
0.1764

44.8535, 0.3182,  
0.2115

31.2061, 0.3204,  
0.1649


52.6048, 0.3172,  
0.2339

29.3735, 0.3207,  
0.1577

62.1567, 0.3160,  
0.2581

28.5542, 0.3208,  
0.1545

73.6124, 0.3149,  
0.2832

 28.4661, 0.3208,  
0.1541

 87.0671, 0.3137,  
0.3083

99.9998, 0.3127,  
0.3290

99.9999, 0.3127,  
0.3290

# Harmonies

## Analogous

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



38.7881, 0.2082, 0.1594



38.7881, 0.3191, 0.1921



38.7881, 0.4553, 0.2497

# Triad

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



38.7881, 0.3191, 0.1921



38.7881, 0.4795, 0.4881



38.7881, 0.1227, 0.2675

# Complementary

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



38.7881, 0.3191, 0.1921



75.6302, 0.3038, 0.5185

# 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.



38.7881, 0.1711, 0.4142



38.7881, 0.3191, 0.1921



38.7881, 0.3757, 0.5640

# Square

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



38.7881, 0.3191, 0.1921



38.7881, 0.5494, 0.3998



38.7881, 0.2643, 0.5524



38.7881, 0.1159, 0.1858



# Rectangle

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



38.7881, 0.3191, 0.1921



38.7881, 0.5265, 0.2965



38.7881, 0.2643, 0.5524



38.7881, 0.1336, 0.3099

# Sweetspot

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



38.7899, 0.3191, 0.1921



74.1276, 0.3148, 0.2842



21.1247, 0.1992, 0.1430



15.1045, 0.3152, 0.2769



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.



38.7899, 0.3191, 0.1921



33.7086, 0.3199, 0.1742



34.9970, 0.3964, 0.2525



18.3001, 0.3138, 0.3056



14.8745, 0.3209, 0.1541



1.4484, 0.3209, 0.1541



# Inverse Universe

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



32.6203, 0.4950, 0.3295



27.0275, 0.5511, 0.3297



77.8020, 0.2732, 0.4273



17.9872, 0.3295, 0.3290



11.1089, 0.6400, 0.3300



1.0817, 0.6400, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 38.7881, 0.3191, 0.1921 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

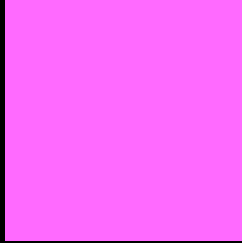
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 38.7881, 0.3191, 0.1921 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

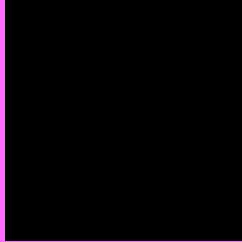
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 38.7881, 0.3191, 0.1921**

## Background



This preview shows how black text looks on a background with the Yxy color 38.7881, 0.3191, 0.1921.



This preview shows how white text looks on a background with the Yxy color 38.7881, 0.3191, 0.1921.

# 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

38.7881, 0.3191, 0.1921

### Protanopia

39.1986, 0.2290, 0.2171

### Deuteranopia

39.0159, 0.2347, 0.2283



## Tritanopia

38.5609, 0.4178, 0.3183

# Trichromacy



## Original Color

38.7881, 0.3191, 0.1921



## Protanomaly

36.6315, 0.2545, 0.2010



## Deuteranomaly

36.3698, 0.2591, 0.2063

## Tritanomaly

37.9866, 0.3803, 0.2648

# Monochromacy



## Original Color

38.7881, 0.3191, 0.1921



## Achromatopsia

39.1572, 0.3127, 0.3290



## Achromatomaly

36.7003, 0.3159, 0.2613

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.7881, 0.3191, 0.1921 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, 106, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 106, 255)  
}
```

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, 106, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 106, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 38.7881, 0.3191, 0.1921 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, 106, 255) }
```

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

```
.border{ border-color:rgb(255, 106, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 106, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 106, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 106, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 106,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.7881, 0.3191, 0.1921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 106, 255) }
```

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

```
.background{ background-color: rgb(255,  
106, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor