

# Converting Colors

Yxy(35.8004, 0.3083, 0.1846)

Have a look what the booklet for  
Yxy(35.8004, 0.3083, 0.1846)  
contains.

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# Color

**Yxy(35.7774, 0.3082, 0.1845)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F366FF
RGB	243, 102, 255
RGB Percent	95%, 40%, 100%
CMY	0.0471, 0.6000, 0.0000
CMYK	0.05, 0.60, 0.00, 0.00
HSL	295°, 100%, 70%
HSV	295°, 60%, 100%
XYZ	59.7647, 35.7774, 98.3733
YIQ	161.6010, 34.9230, 77.4750

# Conversions

## Conversions Part 2

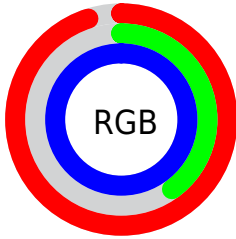
Format	Color
R <sub>Y</sub> B	243, 102, 255
Decimal	15951615
CIE Lab	66.35, 73.40, -51.36
CIE LCh	66, 89.589, 325.017
Yxy	35.7774, 0.3082, 0.1845
Android (android.graphics.Color)	4294141695 (0xFFFF366FF)
YUV	161.6010, 46.0457, 71.3869
Hunter-Lab	59.8142, 73.6775, -55.6412

# Details

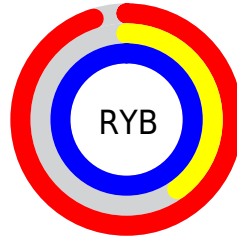
The Yxy color **35.7774, 0.3082, 0.1845** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **76.0569, 0.3088, 0.5208**, and the grayscale version is **35.7046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6216, 0.3171, 0.2366**, and **15.4676, 0.3018, 0.1537** is the 20% darker color. If you saturate the color by 10%, you get **31.1594, 0.3066, 0.1678**, and if you desaturate by 10%, it is **41.9416, 0.3096, 0.2049**.

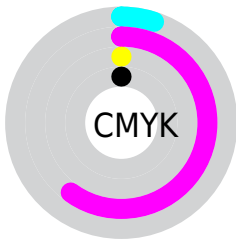
# Distribution



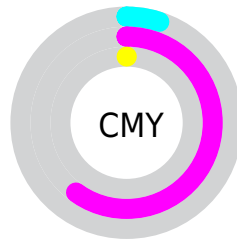
- Red (95%)
- Green (40%)
- Blue (100%)



- Red (95%)
- Yellow (40%)
- Blue (100%)



- Cyan (5%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)



- Cyan (5%)
- Magenta (60%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.7774, 0.3082, 0.1845 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 35.7774, 0.3082, 0.1845 by changing the saturation by 10% instead.




 35.7774, 0.3082,  
0.1845


 35.7774, 0.3082,  
0.1845


327.9866, 0.3139,  
0.2489


 24.2623, 0.3060,  
0.1708


 68.6883, 0.3109,  
0.2061

 15.5283, 0.3029,  
0.1544


 90.8530, 0.3117,  
0.2148

 9.1910, 0.2982,  
0.1348


 117.3363, 0.3123,  
0.2223

 4.8660, 0.2910,  
0.1111

 148.5227, 0.3128,  
0.2289

 2.1688, 0.2794,  
0.0827

184.7965, 0.3132,  
0.2348

 0.7029, 0.2599,  
0.0491

226.5422, 0.3135,

 0.0000, 0.2283,

0.2400

0.0000

274.1440, 0.3137,  
0.2447

■ 0.0000, 0.1331,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 35.7774, 0.3082,  
0.1845

■ 35.7774, 0.3082,  
0.1845

■ 31.1594, 0.3066,  
0.1678

■ 41.9416, 0.3096,  
0.2049

■ 27.9388, 0.3048,  
0.1553


■ 49.7778, 0.3107,  
0.2281


■ 25.9417, 0.3029,  
0.1473

■ 59.4012, 0.3115,  
0.2530

■ 24.8825, 0.3009,  
0.1431

■ 70.9165, 0.3121,  
0.2787

 24.8823, 0.3009,  
0.1431

 84.4202, 0.3125,  
0.3043

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.



35.7774, 0.1977, 0.1535



35.7774, 0.3082, 0.1845



35.7774, 0.4499, 0.2415

# Triad

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



35.7774, 0.3082, 0.1845



35.7774, 0.4900, 0.4831



35.7774, 0.1195, 0.2740

# Complementary

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



35.7774, 0.3082, 0.1845



76.0569, 0.3088, 0.5208

# 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.



35.7774, 0.1720, 0.4314



35.7774, 0.3082, 0.1845



35.7774, 0.3843, 0.5672

# Square

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



35.7774, 0.3082, 0.1845



35.7774, 0.5594, 0.3924



35.7774, 0.2699, 0.5690



35.7774, 0.1102, 0.1853



# Rectangle

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



35.7774, 0.3082, 0.1845



35.7774, 0.5276, 0.2885



35.7774, 0.2699, 0.5690



35.7774, 0.1315, 0.3199

# Sweetspot

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



35.7782, 0.3082, 0.1845



73.4536, 0.3122, 0.2838



22.2501, 0.1986, 0.1491



14.9372, 0.3121, 0.2764



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.



35.7782, 0.3082, 0.1845



30.4081, 0.3063, 0.1649



34.5360, 0.3872, 0.2413



18.2236, 0.3125, 0.3055



13.0320, 0.3012, 0.1433



1.2895, 0.3036, 0.1446



# Inverse Universe

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



31.9783, 0.4878, 0.3181



26.4862, 0.5434, 0.3185



77.0890, 0.2772, 0.4443



18.0102, 0.3282, 0.3272



11.1433, 0.6318, 0.3254



1.0926, 0.6142, 0.3157



# Previews

## White Background



This preview shows how the Yxy color 35.7774, 0.3082, 0.1845 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

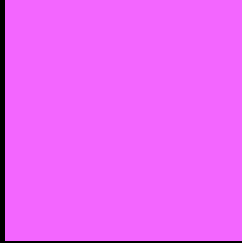
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.7774, 0.3082, 0.1845 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

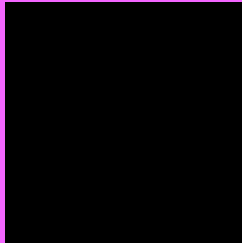
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 35.7774, 0.3082, 0.1845**

## Background



This preview shows how black text looks on a background with the Yxy color 35.7774, 0.3082, 0.1845.



This preview shows how white text looks on a background with the Yxy color 35.7774, 0.3082, 0.1845.

# 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

35.7774, 0.3082, 0.1845

### Protanopia

36.2272, 0.2214, 0.2077

### Deuteranopia

36.2199, 0.2259, 0.2197



## Tritanopia

35.4162, 0.4095, 0.3177

# Trichromacy



## Original Color

35.7774, 0.3082, 0.1845



## Protanomaly

33.6124, 0.2454, 0.1915



## Deuteranomaly

33.7027, 0.2485, 0.1985

## Tritanomaly

34.8722, 0.3700, 0.2605

# Monochromacy



## Original Color

35.7774, 0.3082, 0.1845



## Achromatopsia

36.1307, 0.3127, 0.3290



## Achromatomaly

33.8181, 0.3111, 0.2577

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.7774, 0.3082, 0.1845 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(243, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(243, 102, 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(243, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 102, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 35.7774, 0.3082, 0.1845 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(243, 102, 255) }
```

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

```
.border{ border-color:rgb(243, 102, 255) }
```

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

Here you see how a box with a 4 pixel rgb(243, 102, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(243, 102,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.7774, 0.3082, 0.1845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 102, 255) }
```

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

```
.background{ background-color: rgb(243,  
102, 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](#).

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