

Converting Colors

$Yxy(36.6745, 0.3234, 0.1887)$

Have a look what the booklet for
Yxy(36.6745, 0.3234, 0.1887)
contains.

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Color

Yxy(36.7744, 0.3231, 0.1888)

Conversions

Conversions Part 1

Format	Color
Hex	FF61FB
RGB	255, 97, 251
RGB Percent	100%, 38%, 98%
CMY	0.0000, 0.6197, 0.0156
CMYK	0.00, 0.62, 0.02, 0.00
HSL	302°, 100%, 69%
HSV	302°, 62%, 100%
XYZ	62.9333, 36.7744, 95.0720
YIQ	161.7980, 44.7340, 81.3900

Conversions

Conversions Part 2

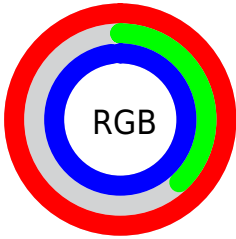
Format	Color
R _Y B	255, 97, 251
Decimal	16736763
CIE Lab	67.11, 77.58, -47.87
CIE LCh	67, 91.156, 328.322
Yxy	36.7744, 0.3231, 0.1888
Android (android.graphics.Color)	4294926843 (0xFFFF61FB)
YUV	161.7980, 43.9766, 81.7382
Hunter-Lab	60.6419, 79.1215, -50.5032

Details

The Yxy color **36.7744, 0.3231, 0.1888** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **74.9995, 0.3019, 0.5261**, and the grayscale version is **35.8046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.2569, 0.3172, 0.2329**, and **16.1504, 0.3220, 0.1597** is the 20% darker color. If you saturate the color by 10%, you get **32.7554, 0.3245, 0.1747**, and if you desaturate by 10%, it is **42.3067, 0.3215, 0.2068**.

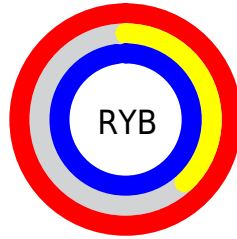
Distribution



Red (100%)

Green (38%)

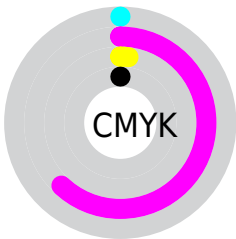
Blue (98%)



Red (100%)

Yellow (38%)

Blue (98%)

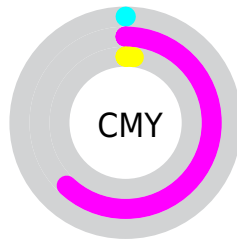


Cyan (0%)

Magenta (62%)

Yellow (2%)

Black (0%)



Cyan (0%)

Magenta (62%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7744, 0.3231, 0.1888 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 36.7744, 0.3231, 0.1888 by changing the saturation by 10% instead.


 36.7744, 0.3231,
0.1888


 36.7744, 0.3231,
0.1888


332.3328, 0.3213,
0.2513


 25.0329, 0.3227,
0.1755


 70.2257, 0.3231,
0.2098


 16.1015, 0.3219,
0.1595


 92.7042, 0.3229,
0.2182

 9.5960, 0.3201,
0.1403


 119.5305, 0.3227,
0.2255

 5.1320, 0.3168,
0.1170

 151.0890, 0.3224,
0.2319

 2.3249, 0.3104,
0.0888

187.7641, 0.3221,
0.2376

 0.7868, 0.2978,
0.0554

229.9402, 0.3219,

 0.0000, 0.2779,

0.2426

0.0000

278.0016, 0.3216,
0.2472

■ 0.0000, 0.2074,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.7744, 0.3231,
0.1888

■ 36.7744, 0.3231,
0.1888

■ 32.7554, 0.3245,
0.1747

■ 42.3067, 0.3215,
0.2068

■ 30.0994, 0.3258,
0.1650

■ 49.4842, 0.3198,
0.2279


■ 28.6240, 0.3268,
0.1596

■ 58.4235, 0.3180,
0.2511

■ 28.0741, 0.3274,
0.1577

■ 69.2311, 0.3163,
0.2755

 82.0049, 0.3146,
0.3001

 96.8358, 0.3130,
0.3243

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.



36.7744, 0.2067, 0.1545



36.7744, 0.3231, 0.1888



36.7744, 0.4659, 0.2483

Triad

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



36.7744, 0.3231, 0.1888



36.7744, 0.4801, 0.4940



36.7744, 0.1155, 0.2600

Complementary

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



36.7744, 0.3231, 0.1888



74.9995, 0.3019, 0.5261

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.



36.7744, 0.1626, 0.4127



36.7744, 0.3231, 0.1888



36.7744, 0.3716, 0.5751

Square

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



36.7744, 0.3231, 0.1888



36.7744, 0.5562, 0.4017



36.7744, 0.2570, 0.5622



36.7744, 0.1103, 0.1784

Rectangle

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



36.7744, 0.3231, 0.1888



36.7744, 0.5387, 0.2962



36.7744, 0.2570, 0.5622



36.7744, 0.1258, 0.3034

Sweetspot

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



36.7741, 0.3231, 0.1888



72.8097, 0.3158, 0.2828



18.4550, 0.1930, 0.1293



14.8448, 0.3163, 0.2757



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.



36.7741, 0.3231, 0.1888



32.1099, 0.3248, 0.1724



32.8383, 0.4110, 0.2542



18.2920, 0.3142, 0.3062



14.6729, 0.3273, 0.1577



1.4311, 0.3265, 0.1572

Inverse Universe

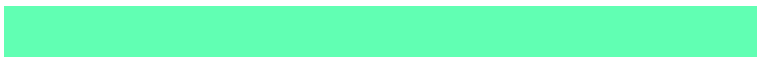
The Inverse Universe completely reimagines the original color for something new.



36.7741, 0.3231, 0.1888



32.1099, 0.3248, 0.1724



77.3004, 0.2697, 0.4273



18.2920, 0.3142, 0.3062



14.6729, 0.3273, 0.1577



1.4311, 0.3265, 0.1572

Previews

White Background



This preview shows how the Yxy color 36.7744, 0.3231, 0.1888 looks on a white background.

Color Contrast Check

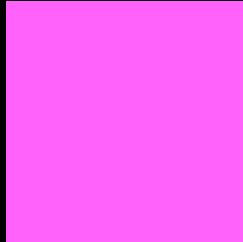
Large Text (above 18pt) WCAG AA × Fail

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 36.7744, 0.3231, 0.1888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

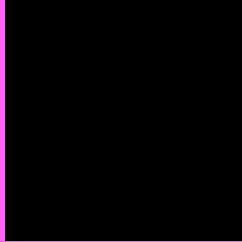
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7744, 0.3231, 0.1888

Background



This preview shows how black text looks on a background with the Yxy color 36.7744, 0.3231, 0.1888.



This preview shows how white text looks on a background with the Yxy color 36.7744, 0.3231, 0.1888.

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

36.7744, 0.3231, 0.1888

Protanopia

37.2218, 0.2241, 0.2109

Deuteranopia

36.9572, 0.2338, 0.2274



Tritanopia

36.4418, 0.4293, 0.3184

Trichromacy



Original Color

36.7744, 0.3231, 0.1888



Protanomaly

34.3314, 0.2513, 0.1942



Deuteranomaly

33.9387, 0.2592, 0.2031



Tritanomaly

35.7920, 0.3893, 0.2631

Monochromacy



Original Color

36.7744, 0.3231, 0.1888



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

33.8078, 0.3180, 0.2585

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7744, 0.3231, 0.1888 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, 97, 251)` looks like.

```
.text, #text, p{  
    color:rgb(255, 97, 251)  
}
```

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, 97, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 97, 251) }
```

Border

The CSS property to change the border of an element to Yxy 36.7744, 0.3231, 0.1888 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, 97, 251) }
```

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

```
.border{ border-color:rgb(255, 97, 251) }
```

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

Here you see how a box with a 4 pixel rgb(255, 97, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 97, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 97, 251);  
box-shadow:4px 4px 4px 4px rgb(255, 97,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7744, 0.3231, 0.1888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 97, 251) }
```

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

```
.background{ background-color: rgb(255, 97,  
251) }
```

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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