

Converting Colors

$Y_{xy}(37.3992, 0.3206, 0.1886)$

Have a look what the booklet for
Yxy(37.3992, 0.3206, 0.1886)
contains.

Yxy(37.3394, 0.3203, 0.1881)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.3394, 0.3203, 0.1881)

Conversions

Conversions Part 1

Format	Color
Hex	FF63FE
RGB	255, 99, 254
RGB Percent	100%, 39%, 100%
CMY	0.0000, 0.6116, 0.0041
CMYK	0.00, 0.61, 0.00, 0.00
HSL	300°, 100%, 69%
HSV	300°, 61%, 100%
XYZ	63.5822, 37.3394, 97.5867
YIQ	163.3140, 43.2210, 81.2770

Conversions

Conversions Part 2

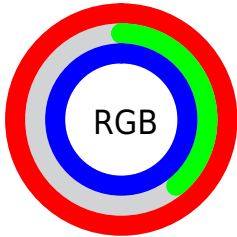
Format	Color
R _Y B	255, 99, 254
Decimal	16737278
CIE Lab	67.53, 77.24, -48.81
CIE LCh	68, 91.372, 327.711
Yxy	37.3394, 0.3203, 0.1881
Android (android.graphics.Color)	4294927358 (0xFFFF63FE)
YUV	163.3140, 44.7082, 80.4086
Hunter-Lab	61.1060, 78.7980, -51.9123

Details

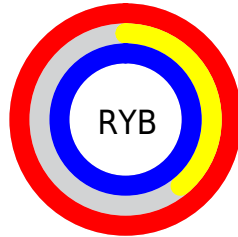
The Yxy color **37.3394, 0.3203, 0.1881** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **75.0885, 0.3030, 0.5266**, and the grayscale version is **36.5569, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.9337, 0.3171, 0.2347**, and **16.4638, 0.3181, 0.1587** is the 20% darker color. If you saturate the color by 10%, you get **33.2359, 0.3212, 0.1735**, and if you desaturate by 10%, it is **42.9710, 0.3192, 0.2065**.

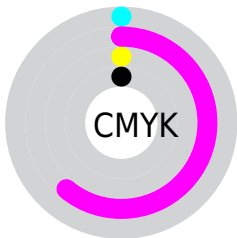
Distribution



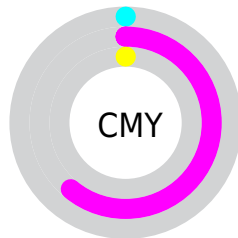
- Red (100%)
- Green (39%)
- Blue (100%)



- Red (100%)
- Yellow (39%)
- Blue (100%)



- Cyan (0%)
- Magenta (61%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (61%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.3394, 0.3203, 0.1881 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 37.3394, 0.3203, 0.1881 by changing the saturation by 10% instead.


 37.3394, 0.3203,
0.1881


 37.3394, 0.3203,
0.1881


334.7776, 0.3199,
0.2506


 25.4704, 0.3196,
0.1748


 71.0945, 0.3208,
0.2091


 16.4279, 0.3183,
0.1589


 93.7493, 0.3208,
0.2175

 9.8274, 0.3161,
0.1398


 120.7682, 0.3207,
0.2248

 5.2847, 0.3121,
0.1167

 152.5356, 0.3206,
0.2312

 2.4152, 0.3048,
0.0888

189.4358, 0.3205,
0.2369

 0.8337, 0.2913,
0.0560

231.8533, 0.3203,

 0.0000, 0.2705,

0.2420

0.0000

280.1724, 0.3201,
0.2465

■ 0.0000, 0.2030,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.3394, 0.3203,
0.1881

■ 37.3394, 0.3203,
0.1881

■ 33.2359, 0.3212,
0.1735

■ 42.9710, 0.3192,
0.2065

■ 30.5062, 0.3219,
0.1633

■ 50.2554, 0.3180,
0.2281


■ 28.9732, 0.3223,
0.1574

■ 59.3103, 0.3168,
0.2517

■ 28.3691, 0.3226,
0.1551

■ 70.2413, 0.3154,
0.2765

 83.1456, 0.3141,
0.3016

 98.1138, 0.3129,
0.3262

99.9978, 0.3127,
0.3290

Harmonies

Analogous

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



37.3394, 0.2051, 0.1544



37.3394, 0.3203, 0.1881



37.3394, 0.4628, 0.2472

Triad

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



37.3394, 0.3203, 0.1881



37.3394, 0.4819, 0.4919



37.3394, 0.1163, 0.2626

Complementary

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



37.3394, 0.3203, 0.1881



75.0885, 0.3030, 0.5266

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.



37.3394, 0.1645, 0.4161



37.3394, 0.3203, 0.1881



37.3394, 0.3740, 0.5735

Square

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



37.3394, 0.3203, 0.1881



37.3394, 0.5566, 0.3999



37.3394, 0.2595, 0.5633



37.3394, 0.1104, 0.1798

Rectangle

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



37.3394, 0.3203, 0.1881



37.3394, 0.5365, 0.2948



37.3394, 0.2595, 0.5633



37.3394, 0.1270, 0.3065

Sweetspot

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



37.3411, 0.3203, 0.1881



74.1105, 0.3150, 0.2845



18.8040, 0.1931, 0.1313



15.1002, 0.3154, 0.2772



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.



37.3411, 0.3203, 0.1881



32.6389, 0.3213, 0.1713



33.3628, 0.4057, 0.2523



18.2982, 0.3139, 0.3057



14.8259, 0.3226, 0.1551



1.4442, 0.3224, 0.1550

Inverse Universe

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



37.3411, 0.3203, 0.1881



32.6389, 0.3213, 0.1713



77.3419, 0.2711, 0.4293



18.2982, 0.3139, 0.3057



14.8259, 0.3226, 0.1551



1.4442, 0.3224, 0.1550

Previews

White Background



This preview shows how the Yxy color 37.3394, 0.3203, 0.1881 looks on a white background.

Color Contrast Check

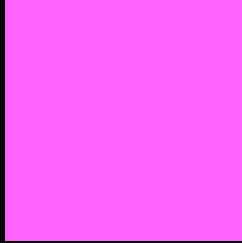
Large Text (above 18pt) WCAG AA × Fail

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 37.3394, 0.3203, 0.1881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

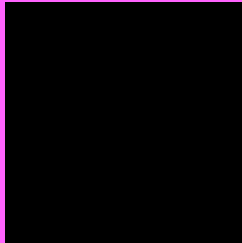
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.3394, 0.3203, 0.1881

Background



This preview shows how black text looks on a background with the Yxy color 37.3394, 0.3203, 0.1881.



This preview shows how white text looks on a background with the Yxy color 37.3394, 0.3203, 0.1881.

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

37.3394, 0.3203, 0.1881

Protanopia

37.7278, 0.2254, 0.2125

Deuteranopia

37.7678, 0.2322, 0.2269



Tritanopia

37.0329, 0.4259, 0.3184

Trichromacy



Original Color

37.3394, 0.3203, 0.1881



Protanomaly

34.7992, 0.2516, 0.1947



Deuteranomaly

34.5855, 0.2567, 0.2025

Tritanomaly

36.3452, 0.3864, 0.2630

Monochromacy



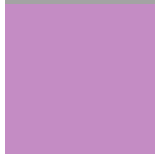
Original Color

37.3394, 0.3203, 0.1881



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

34.4775, 0.3160, 0.2588

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3394, 0.3203, 0.1881 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, 99, 254)` looks like.

```
.text, #text, p{  
    color:rgb(255, 99, 254)  
}
```

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, 99, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 254) }
```

Border

The CSS property to change the border of an element to Yxy 37.3394, 0.3203, 0.1881 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, 99, 254) }
```

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

```
.border{ border-color:rgb(255, 99, 254) }
```

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

Here you see how a box with a 4 pixel rgb(255, 99, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 254);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3394, 0.3203, 0.1881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 99, 254) }
```

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

```
.background{ background-color: rgb(255, 99,  
254) }
```

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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