

Converting Colors

$Y_{xy}(39.7096, 0.3231, 0.1999)$

Have a look what the booklet for
Yxy(39.7096, 0.3231, 0.1999)
contains.

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Color

Yxy(39.7505, 0.3234, 0.2000)

Conversions

Conversions Part 1

Format	Color
Hex	FF70FA
RGB	255, 112, 250
RGB Percent	100%, 44%, 98%
CMY	0.0002, 0.5606, 0.0196
CMYK	0.00, 0.56, 0.02, 0.00
HSL	302°, 100%, 72%
HSV	302°, 56%, 100%
XYZ	64.2766, 39.7505, 94.7254
YIQ	170.4890, 40.9300, 73.2340

Conversions

Conversions Part 2

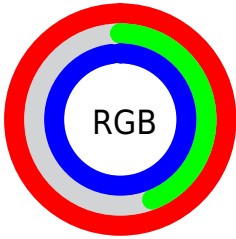
Format	Color
R _Y B	255, 112, 250
Decimal	16740602
CIE Lab	69.29, 71.24, -43.87
CIE LCh	69, 83.665, 328.374
Yxy	39.7505, 0.3234, 0.2000
Android (android.graphics.Color)	4294930682 (0xFFFF70FA)
YUV	170.4890, 39.1989, 74.1161
Hunter-Lab	63.0480, 71.6443, -44.9457

Details

The Yxy color **39.7505, 0.3234, 0.2000** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **76.2237, 0.3023, 0.5048**, and the grayscale version is **40.2472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2295, 0.3166, 0.2460**, and **17.8200, 0.3226, 0.1726** is the 20% darker color. If you saturate the color by 10%, you get **34.8422, 0.3252, 0.1836**, and if you desaturate by 10%, it is **46.2552, 0.3214, 0.2198**.

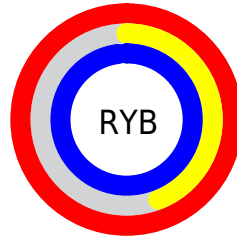
Distribution



Red (100%)

Green (44%)

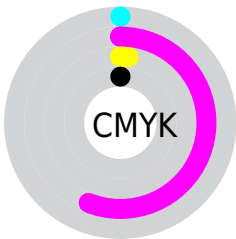
Blue (98%)



Red (100%)

Yellow (44%)

Blue (98%)

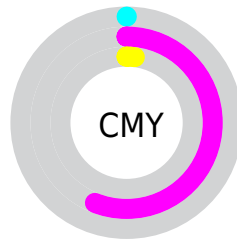


Cyan (0%)

Magenta (56%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7505, 0.3234, 0.2000 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 39.7505, 0.3234, 0.2000 by changing the saturation by 10% instead.


 39.7505, 0.3234,
0.2000


 39.7505, 0.3234,
0.2000


345.0708, 0.3209,
0.2577

 27.3441, 0.3233,
0.1876


 74.7834, 0.3231,
0.2195

 17.8318, 0.3229,
0.1726


 98.1787, 0.3228,
0.2272

 10.8293, 0.3218,
0.1545


 126.0058, 0.3225,
0.2339

 5.9522, 0.3195,
0.1322

158.6489, 0.3222,
0.2399

 2.8160, 0.3148,
0.1046

196.4926, 0.3218,
0.2451

 1.0364, 0.3050,
0.0710

239.9212, 0.3215,

 0.0000, 0.2938,

0.2498

0.0000

289.3192, 0.3212,
0.2539

■ 0.0000, 0.2321,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.7505, 0.3234,
0.2000

■ 39.7505, 0.3234,
0.2000

■ 34.8422, 0.3252,
0.1836

■ 46.2552, 0.3214,
0.2198

■ 31.3866, 0.3269,
0.1714


■ 54.4730, 0.3194,
0.2421

■ 29.2236, 0.3283,
0.1635

■ 64.5161, 0.3174,
0.2660

■ 28.1522, 0.3295,
0.1598

■ 76.4856, 0.3155,
0.2904

 27.9122, 0.3300,
0.1591

 90.4750, 0.3137,
0.3147

99.9915, 0.3127,
0.3290

Harmonies

Analogous

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



39.7505, 0.2166, 0.1674



39.7505, 0.3234, 0.2000



39.7505, 0.4507, 0.2564

Triad

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



39.7505, 0.3234, 0.2000



39.7505, 0.4712, 0.4863



39.7505, 0.1308, 0.2689

Complementary

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



39.7505, 0.3234, 0.2000



76.2237, 0.3023, 0.5048

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.



39.7505, 0.1770, 0.4040



39.7505, 0.3234, 0.2000



39.7505, 0.3725, 0.5525

Square

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



39.7505, 0.3234, 0.2000



39.7505, 0.5370, 0.4029



39.7505, 0.2658, 0.5336



39.7505, 0.1246, 0.1919

Rectangle

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



39.7505, 0.3234, 0.2000



39.7505, 0.5162, 0.3021



39.7505, 0.2658, 0.5336



39.7505, 0.1412, 0.3083

Sweetspot

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



39.7523, 0.3234, 0.2000



75.2957, 0.3157, 0.2881



22.5847, 0.2063, 0.1495



15.5756, 0.3161, 0.2832



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.



39.7523, 0.3234, 0.2000



34.4681, 0.3254, 0.1823



36.0944, 0.4001, 0.2619



18.2889, 0.3143, 0.3064



14.5954, 0.3298, 0.1590



1.4244, 0.3287, 0.1584

Inverse Universe

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



39.7523, 0.3234, 0.2000



34.4681, 0.3254, 0.1823



78.5815, 0.2708, 0.4129



18.2889, 0.3143, 0.3064



14.5954, 0.3298, 0.1590



1.4244, 0.3287, 0.1584

Previews

White Background



This preview shows how the Yxy color 39.7505, 0.3234, 0.2000 looks on a white background.

Color Contrast Check

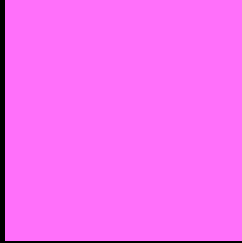
Large Text (above 18pt) WCAG AA × Fail

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 39.7505, 0.3234, 0.2000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

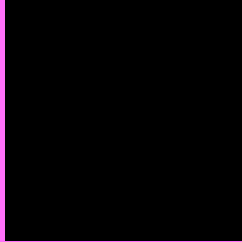
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.7505, 0.3234, 0.2000

Background



This preview shows how black text looks on a background with the Yxy color 39.7505, 0.3234, 0.2000.



This preview shows how white text looks on a background with the Yxy color 39.7505, 0.3234, 0.2000.

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

39.7505, 0.3234, 0.2000

Protanopia

40.1758, 0.2312, 0.2201

Deuteranopia

40.1362, 0.2426, 0.2372



Tritanopia

39.4016, 0.4144, 0.3172

Trichromacy



Original Color

39.7505, 0.3234, 0.2000



Protanomaly

37.6626, 0.2576, 0.2065



Deuteranomaly

37.9018, 0.2667, 0.2165



Tritanomaly

39.0198, 0.3793, 0.2688

Monochromacy



Original Color

39.7505, 0.3234, 0.2000



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

38.5394, 0.3175, 0.2678

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7505, 0.3234, 0.2000 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, 112, 250)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 250)  
}
```

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, 112, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 250) }
```

Border

The CSS property to change the border of an element to Yxy 39.7505, 0.3234, 0.2000 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, 112, 250) }
```

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

```
.border{ border-color:rgb(255, 112, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 112, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 250);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7505, 0.3234, 0.2000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 112, 250) }
```

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

```
.background{ background-color: rgb(255,  
112, 250) }
```

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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