

Converting Colors

$Y_{xy}(81.2233, 0.4305, 0.2795)$

Have a look what the booklet for
Yxy(81.2233, 0.4305, 0.2795)
contains.

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Color

Yxy(51.7694, 0.3380, 0.2576)

Conversions

Conversions Part 1

Format	Color
Hex	FF9FE6
RGB	255, 159, 230
RGB Percent	100%, 62%, 90%
CMY	0.0000, 0.3765, 0.0981
CMYK	0.00, 0.38, 0.10, 0.00
HSL	316°, 100%, 81%
HSV	316°, 38%, 100%
XYZ	67.9272, 51.7694, 81.2715
YIQ	195.7980, 34.4250, 42.4330

Conversions

Conversions Part 2

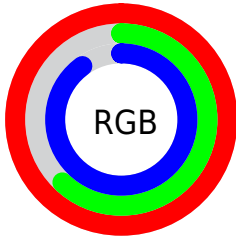
Format	Color
R _Y B	255, 159, 230
Decimal	16752614
CIE Lab	77.14, 45.55, -20.83
CIE LCh	77, 50.091, 335.427
Yxy	51.7694, 0.3380, 0.2576
Android (android.graphics.Color)	4294942694 (0xFFFF9FE6)
YUV	195.7980, 16.8616, 51.9202
Hunter-Lab	71.9510, 42.6036, -16.6048

Details

The Yxy color **51.7694, 0.3380, 0.2576** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **82.3508, 0.2947, 0.4134**, and the grayscale version is **54.9526, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0809, 0.3145, 0.2900**, and **25.0295, 0.3443, 0.2413** is the 20% darker color. If you saturate the color by 10%, you get **43.5173, 0.3470, 0.2395**, and if you desaturate by 10%, it is **61.8395, 0.3299, 0.2767**.

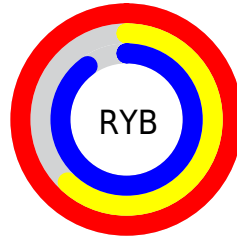
Distribution



Red (100%)

Green (62%)

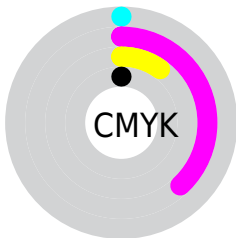
Blue (90%)



Red (100%)

Yellow (62%)

Blue (90%)

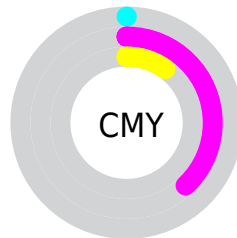


Cyan (0%)

Magenta (38%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (38%)

Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.7694, 0.3380, 0.2576 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 51.7694, 0.3380, 0.2576 by changing the saturation by 10% instead.


 51.7694, 0.3380,
0.2576

 51.7694, 0.3380,
0.2576


393.5457, 0.3266,
0.2904

 36.8213, 0.3405,
0.2502


 92.7911, 0.3341,
0.2689

 25.0692, 0.3436,
0.2411


 119.6334, 0.3326,
0.2733

 16.1286, 0.3474,
0.2297


151.2093, 0.3313,
0.2771

 9.6152, 0.3521,
0.2150

187.9031, 0.3301,
0.2805

 5.1446, 0.3584,
0.1954

230.0993, 0.3291,
0.2834

 2.3323, 0.3667,
0.1682

278.1822, 0.3282,

 0.7907, 0.3780,

0.2860

0.1281

332.5362, 0.3273,
0.2883

0.0000, 0.4202,
0.0000

0.0000, 0.0000,
0.0000

51.7694, 0.3380,
0.2576

51.7694, 0.3380,
0.2576

43.5173, 0.3470,
0.2395

61.8395, 0.3299,
0.2767

36.9785, 0.3569,
0.2234

73.8377, 0.3228,
0.2961

32.0260, 0.3675,
0.2104

87.8565, 0.3168,
0.3150

28.5179, 0.3783,
0.2015

100.0000, 0.3127,
0.3290

■ 26.2875, 0.3891,
0.1975

■ 25.1143, 0.3995,
0.1982

■ 24.9162, 0.4019,
0.1988

Harmonies

Analogous

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



51.7694, 0.2713, 0.2315



51.7694, 0.3380, 0.2576



51.7694, 0.4036, 0.2989

Triad

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



51.7694, 0.3380, 0.2576



51.7694, 0.4033, 0.4397



51.7694, 0.1979, 0.2872

Complementary

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



51.7694, 0.3380, 0.2576



82.3508, 0.2947, 0.4134

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.



51.7694, 0.2259, 0.3538



51.7694, 0.3380, 0.2576



51.7694, 0.3433, 0.4524

Square

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



51.7694, 0.3380, 0.2576



51.7694, 0.4414, 0.3990



51.7694, 0.2783, 0.4202



51.7694, 0.1969, 0.2431

Rectangle

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



51.7694, 0.3380, 0.2576



51.7694, 0.4340, 0.3315



51.7694, 0.2783, 0.4202



51.7694, 0.2042, 0.3075

Sweetspot

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



51.7669, 0.3380, 0.2576



82.9292, 0.3187, 0.3088



42.0806, 0.2601, 0.2190



17.3377, 0.3195, 0.3062



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.



51.7669, 0.3380, 0.2576



45.5318, 0.3445, 0.2441



49.4726, 0.3821, 0.3040



18.2148, 0.3178, 0.3116



13.0450, 0.4002, 0.1979



1.2880, 0.3891, 0.1917

Inverse Universe

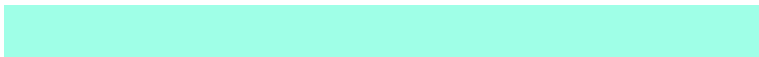
The Inverse Universe completely reimagines the original color for something new.



51.7669, 0.3380, 0.2576



45.5318, 0.3445, 0.2441



84.6597, 0.2713, 0.3562



18.2148, 0.3178, 0.3116



13.0450, 0.4002, 0.1979



1.2880, 0.3891, 0.1917

Previews

White Background



This preview shows how the Yxy color 51.7694, 0.3380, 0.2576 looks on a white background.

Color Contrast Check

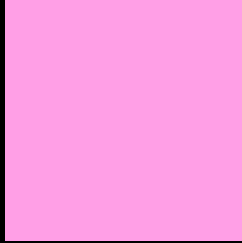
Large Text (above 18pt) WCAG AA × Fail

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 51.7694, 0.3380, 0.2576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

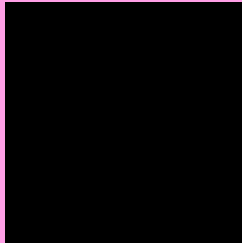
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.7694, 0.3380, 0.2576

Background



This preview shows how black text looks on a background with the Yxy color 51.7694, 0.3380, 0.2576.

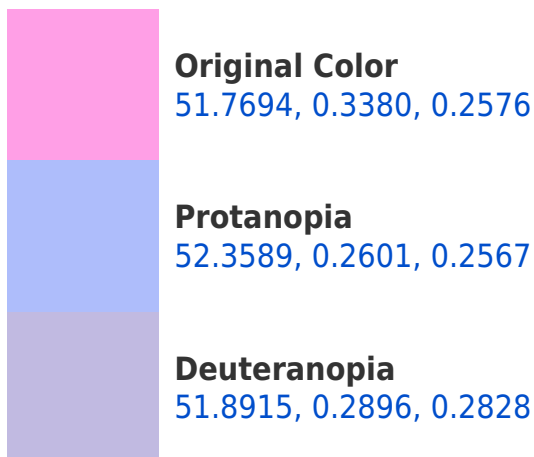


This preview shows how white text looks on a background with the Yxy color 51.7694, 0.3380, 0.2576.

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





Tritanopia

51.8519, 0.3758, 0.3163

Trichromacy



Original Color

51.7694, 0.3380, 0.2576



Protanomaly

51.0084, 0.2845, 0.2558



Deuteranomaly

51.1956, 0.3063, 0.2717



Tritanomaly

51.5430, 0.3616, 0.2933

Monochromacy



Original Color

51.7694, 0.3380, 0.2576



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

53.1728, 0.3216, 0.3003

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7694, 0.3380, 0.2576 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, 159, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 159, 230)  
}
```

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, 159, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 159, 230) }
```

Border

The CSS property to change the border of an element to Yxy 51.7694, 0.3380, 0.2576 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, 159, 230) }
```

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

```
.border{ border-color:rgb(255, 159, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 159, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 159, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 159, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 159,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7694, 0.3380, 0.2576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 159, 230) }
```

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

```
.background{ background-color: rgb(255,  
159, 230) }
```

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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