

Converting Colors

$Y_{xy}(88.5537, 0.4202, 0.2709)$

Have a look what the booklet for
Yxy(88.5537, 0.4202, 0.2709)
contains.

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Color

Yxy(54.7760, 0.3200, 0.2437)

Conversions

Conversions Part 1

Format	Color
Hex	FFA4FB
RGB	255, 164, 251
RGB Percent	100%, 64%, 98%
CMY	0.0001, 0.3568, 0.0156
CMYK	0.00, 0.36, 0.02, 0.00
HSL	303°, 100%, 82%
HSV	303°, 36%, 100%
XYZ	71.9258, 54.7760, 98.0663
YIQ	201.1270, 26.3090, 46.3490

Conversions

Conversions Part 2

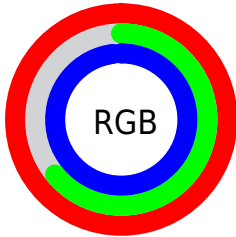
Format	Color
R _Y B	255, 164, 251
Decimal	16753915
CIE Lab	78.91, 46.53, -29.50
CIE LCh	79, 55.098, 327.624
Yxy	54.7760, 0.3200, 0.2437
Android (android.graphics.Color)	4294943995 (0xFFFFA4FB)
YUV	201.1270, 24.5874, 47.2466
Hunter-Lab	74.0108, 43.9525, -26.7533

Details

The Yxy color **54.7760, 0.3200, 0.2437** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **82.2293, 0.3056, 0.4323**, and the grayscale version is **58.3260, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6664, 0.3143, 0.2950**, and **26.9172, 0.3209, 0.2253** is the 20% darker color. If you saturate the color by 10%, you get **46.4781, 0.3222, 0.2214**, and if you desaturate by 10%, it is **64.9086, 0.3178, 0.2674**.

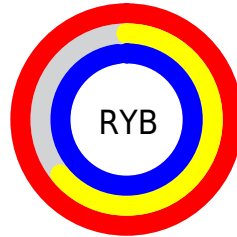
Distribution



Red (100%)

Green (64%)

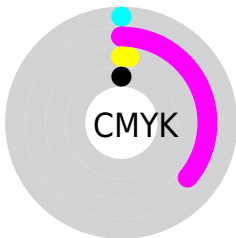
Blue (98%)



Red (100%)

Yellow (64%)

Blue (98%)

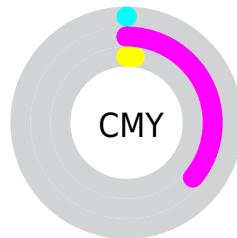


Cyan (0%)

Magenta (36%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (36%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.7760, 0.3200, 0.2437 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 54.7760, 0.3200, 0.2437 by changing the saturation by 10% instead.

 54.7760, 0.3200,
0.2437


 54.7760, 0.3200,
0.2437


405.0623, 0.3177,
0.2819

 39.2224, 0.3203,
0.2353

 97.2127, 0.3194,
0.2567

 26.9328, 0.3205,
0.2251


 124.8646, 0.3191,
0.2618

 17.5228, 0.3205,
0.2125


157.3180, 0.3189,
0.2663

 10.6079, 0.3202,
0.1966

194.9574, 0.3186,
0.2702

 5.8038, 0.3192,
0.1760

238.1671, 0.3183,
0.2736

 2.7262, 0.3167,
0.1485

287.3316, 0.3181,

 0.9905, 0.3101,

0.2767

0.1108

342.8351, 0.3179,
0.2795

0.0000, 0.3111,
0.0000

0.0000, 0.0000,
0.0000

54.7760, 0.3200,
0.2437

54.7760, 0.3200,
0.2437

46.4781, 0.3222,
0.2214

64.9086, 0.3178,
0.2674

39.8977, 0.3245,
0.2016

76.9694, 0.3157,
0.2917

34.9154, 0.3266,
0.1852

91.0543, 0.3138,
0.3157

31.3937, 0.3286,
0.1728

99.9969, 0.3127,
0.3290

■ 29.1717, 0.3303,
0.1649

■ 28.0503, 0.3318,
0.1612

■ 27.7813, 0.3323,
0.1604

Harmonies

Analogous

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



54.7760, 0.2520, 0.2211



54.7760, 0.3200, 0.2437



54.7760, 0.3940, 0.2838

Triad

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



54.7760, 0.3200, 0.2437



54.7760, 0.4230, 0.4377



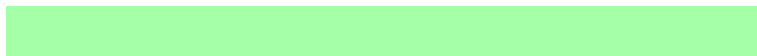
54.7760, 0.1949, 0.3001

Complementary

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



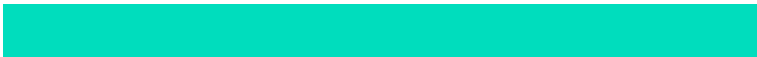
54.7760, 0.3200, 0.2437



82.2293, 0.3056, 0.4323

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.



54.7760, 0.2316, 0.3759



54.7760, 0.3200, 0.2437



54.7760, 0.3627, 0.4631

Square

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



54.7760, 0.3200, 0.2437



54.7760, 0.4557, 0.3891



54.7760, 0.2926, 0.4422



54.7760, 0.1867, 0.2459

Rectangle

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



54.7760, 0.3200, 0.2437



54.7760, 0.4329, 0.3170



54.7760, 0.2926, 0.4422



54.7760, 0.2039, 0.3240

Sweetspot

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



54.7784, 0.3200, 0.2437



83.3124, 0.3148, 0.3030



41.9944, 0.2495, 0.2216



17.4296, 0.3150, 0.2997



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.



54.7784, 0.3200, 0.2437



48.5342, 0.3216, 0.2272



52.2909, 0.3584, 0.2852



18.2859, 0.3145, 0.3066



14.5245, 0.3321, 0.1603



1.4183, 0.3308, 0.1596

Inverse Universe

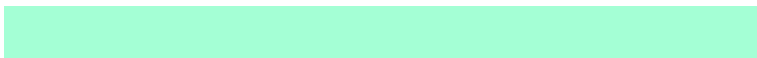
The Inverse Universe completely reimagines the original color for something new.



54.7784, 0.3200, 0.2437



48.5342, 0.3216, 0.2272



84.1835, 0.2829, 0.3779



18.2859, 0.3145, 0.3066



14.5245, 0.3321, 0.1603



1.4183, 0.3308, 0.1596

Previews

White Background



This preview shows how the Yxy color 54.7760, 0.3200, 0.2437 looks on a white background.

Color Contrast Check

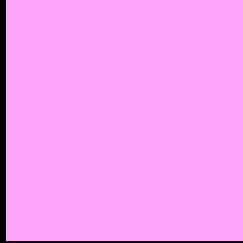
Large Text (above 18pt) WCAG AA × Fail

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 54.7760, 0.3200, 0.2437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

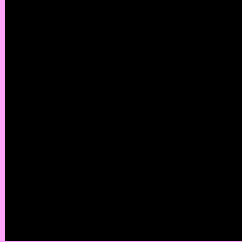
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.7760, 0.3200, 0.2437

Background



This preview shows how black text looks on a background with the Yxy color 54.7760, 0.3200, 0.2437.



This preview shows how white text looks on a background with the Yxy color 54.7760, 0.3200, 0.2437.

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

54.7760, 0.3200, 0.2437

Protanopia

55.2686, 0.2611, 0.2591

Deuteranopia

55.1719, 0.2735, 0.2672



Tritanopia

54.5425, 0.3639, 0.3141

Trichromacy



Original Color

54.7760, 0.3200, 0.2437



Protanomaly

54.1445, 0.2798, 0.2513



Deuteranomaly

54.3793, 0.2888, 0.2570



Tritanomaly

54.5825, 0.3477, 0.2873

Monochromacy



Original Color

54.7760, 0.3200, 0.2437



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

56.4531, 0.3160, 0.2944

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.7760, 0.3200, 0.2437 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, 164, 251)` looks like.

```
.text, #text, p{  
    color:rgb(255, 164, 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, 164, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 164, 251) }
```

Border

The CSS property to change the border of an element to Yxy 54.7760, 0.3200, 0.2437 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, 164, 251) }
```

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

```
.border{ border-color:rgb(255, 164, 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, 164, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 164, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 164, 251);  
box-shadow:4px 4px 4px 4px rgb(255, 164,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 54.7760, 0.3200, 0.2437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 164, 251) }
```

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

```
.background{ background-color: rgb(255,  
164, 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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