

Converting Colors

$Y_{xy}(55.7267, 0.3255, 0.2536)$

Have a look what the booklet for
Yxy(55.7267, 0.3255, 0.2536)
contains.

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Color

Yxy(55.7969, 0.3254, 0.2537)

Conversions

Conversions Part 1

Format	Color
Hex	FFA8F4
RGB	255, 168, 244
RGB Percent	100%, 66%, 96%
CMY	0.0000, 0.3411, 0.0432
CMYK	0.00, 0.34, 0.04, 0.00
HSL	308°, 100%, 83%
HSV	308°, 34%, 100%
XYZ	71.5661, 55.7969, 92.5696
YIQ	202.6770, 27.4560, 42.0800

Conversions

Conversions Part 2

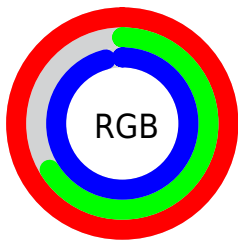
Format	Color
R _Y B	255, 168, 244
Decimal	16754932
CIE Lab	79.50, 43.25, -24.81
CIE LCh	79, 49.860, 330.153
Yxy	55.7969, 0.3254, 0.2537
Android (android.graphics.Color)	4294945012 (0xFFFFA8F4)
YUV	202.6770, 20.3722, 45.8873
Hunter-Lab	74.6973, 40.2971, -21.1878

Details

The Yxy color **55.7969, 0.3254, 0.2537** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **83.0956, 0.3022, 0.4182**, and the grayscale version is **59.3666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7913, 0.3141, 0.2989**, and **27.5358, 0.3271, 0.2363** is the 20% darker color. If you saturate the color by 10%, you get **47.0941, 0.3300, 0.2325**, and if you desaturate by 10%, it is **66.3540, 0.3212, 0.2759**.

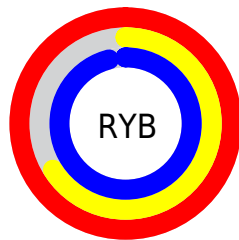
Distribution



Red (100%)

Green (66%)

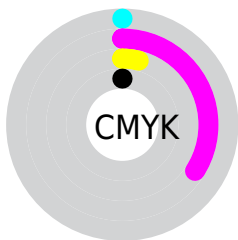
Blue (96%)



Red (100%)

Yellow (66%)

Blue (96%)

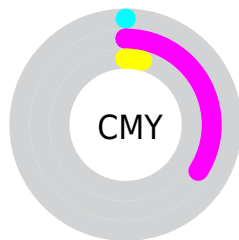


Cyan (0%)

Magenta (34%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (34%)

Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.7969, 0.3254, 0.2537 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 55.7969, 0.3254, 0.2537 by changing the saturation by 10% instead.


 55.7969, 0.3254,
0.2537


 55.7969, 0.3254,
0.2537


408.9256, 0.3203,
0.2877

 40.0401, 0.3264,
0.2462


 98.7076, 0.3238,
0.2653

 27.5698, 0.3275,
0.2370


 126.6302, 0.3231,
0.2699

 18.0016, 0.3288,
0.2256


159.3770, 0.3225,
0.2739

 10.9512, 0.3302,
0.2110

197.3322, 0.3220,
0.2773

 6.0340, 0.3316,
0.1919

240.8803, 0.3215,
0.2804

 2.8658, 0.3327,
0.1659

290.4056, 0.3210,

 1.0621, 0.3322,

0.2831

0.1292

346.2926, 0.3206,
0.2855

■ 0.0000, 0.3523,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.7969, 0.3254,
0.2537

■ 55.7969, 0.3254,
0.2537

■ 47.0941, 0.3300,
0.2325

■ 66.3540, 0.3212,
0.2759

■ 40.1298, 0.3348,
0.2134

■ 78.8574, 0.3174,
0.2983

■ 34.7868, 0.3398,
0.1973

■ 93.4022, 0.3140,
0.3202

■ 30.9302, 0.3447,
0.1851

99.9980, 0.3127,
0.3290

■ 28.4036, 0.3495,
0.1773

■ 27.0155, 0.3539,
0.1740

■ 26.5703, 0.3564,
0.1737

Harmonies

Analogous

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



55.7969, 0.2625, 0.2314



55.7969, 0.3254, 0.2537



55.7969, 0.3910, 0.2919

Triad

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



55.7969, 0.3254, 0.2537



55.7969, 0.4095, 0.4313



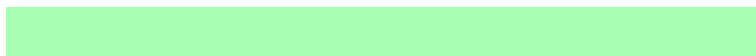
55.7969, 0.2038, 0.2988

Complementary

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



55.7969, 0.3254, 0.2537



83.0956, 0.3022, 0.4182

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.



55.7969, 0.2358, 0.3654



55.7969, 0.3254, 0.2537



55.7969, 0.3538, 0.4494

Square

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



55.7969, 0.3254, 0.2537



55.7969, 0.4409, 0.3892



55.7969, 0.2901, 0.4258



55.7969, 0.1981, 0.2512

Rectangle

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



55.7969, 0.3254, 0.2537



55.7969, 0.4242, 0.3231



55.7969, 0.2901, 0.4258



55.7969, 0.2115, 0.3197

Sweetspot

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



55.7994, 0.3254, 0.2537



84.5896, 0.3159, 0.3074



44.7144, 0.2578, 0.2284



17.6782, 0.3164, 0.3043



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.



55.7994, 0.3254, 0.2537



49.6134, 0.3285, 0.2390



53.5027, 0.3624, 0.2945



18.2585, 0.3157, 0.3085



13.9004, 0.3558, 0.1733



1.3640, 0.3512, 0.1708

Inverse Universe

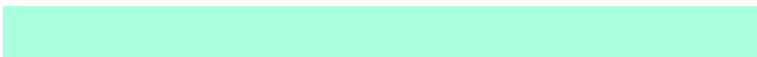
The Inverse Universe completely reimagines the original color for something new.



55.7994, 0.3254, 0.2537



49.6134, 0.3285, 0.2390



85.0951, 0.2804, 0.3668



18.2585, 0.3157, 0.3085



13.9004, 0.3558, 0.1733



1.3640, 0.3512, 0.1708

Previews

White Background



This preview shows how the Yxy color 55.7969, 0.3254, 0.2537 looks on a white background.

Color Contrast Check

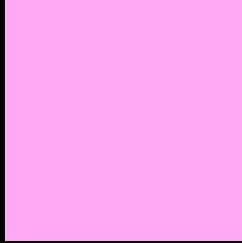
Large Text (above 18pt) WCAG AA × Fail

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 55.7969, 0.3254, 0.2537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

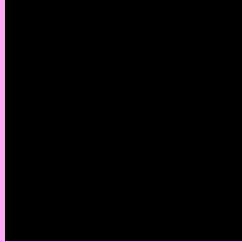
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.7969, 0.3254, 0.2537

Background



This preview shows how black text looks on a background with the Yxy color 55.7969, 0.3254, 0.2537.



This preview shows how white text looks on a background with the Yxy color 55.7969, 0.3254, 0.2537.

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

55.7969, 0.3254, 0.2537

Protanopia

56.0740, 0.2632, 0.2606

Deuteranopia

56.1077, 0.2828, 0.2764



Tritanopia

55.6030, 0.3625, 0.3142

Trichromacy



Original Color

55.7969, 0.3254, 0.2537



Protanomaly

55.0729, 0.2833, 0.2567



Deuteranomaly

55.3836, 0.2968, 0.2667



Tritanomaly

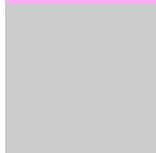
55.4845, 0.3491, 0.2905

Monochromacy



Original Color

55.7969, 0.3254, 0.2537



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

57.4185, 0.3174, 0.2978

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.7969, 0.3254, 0.2537 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, 168, 244)` looks like.

```
.text, #text, p{  
    color:rgb(255, 168, 244)  
}
```

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, 168, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 168, 244) }
```

Border

The CSS property to change the border of an element to Yxy 55.7969, 0.3254, 0.2537 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, 168, 244) }
```

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

```
.border{ border-color:rgb(255, 168, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 168, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 168, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 168, 244);  
box-shadow:4px 4px 4px 4px rgb(255, 168,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 55.7969, 0.3254, 0.2537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 168, 244) }
```

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

```
.background{ background-color: rgb(255,  
168, 244) }
```

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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