

Converting Colors

$Y_{xy}(55.7092, 0.3202, 0.2466)$

Have a look what the booklet for
Yxy(55.7092, 0.3202, 0.2466)
contains.

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Color

Yxy(55.8625, 0.3199, 0.2466)

Conversions

Conversions Part 1

Format	Color
Hex	FFA7FB
RGB	255, 167, 251
RGB Percent	100%, 65%, 98%
CMY	0.0000, 0.3451, 0.0158
CMYK	0.00, 0.35, 0.02, 0.00
HSL	303°, 100%, 83%
HSV	303°, 35%, 100%
XYZ	72.4672, 55.8625, 98.2011
YIQ	202.8880, 25.4840, 44.7800

Conversions

Conversions Part 2

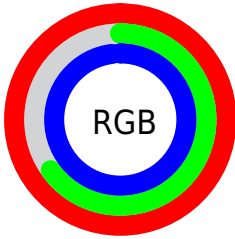
Format	Color
R _Y B	255, 167, 251
Decimal	16754683
CIE Lab	79.54, 44.99, -28.52
CIE LCh	80, 53.263, 327.629
Yxy	55.8625, 0.3199, 0.2466
Android (android.graphics.Color)	4294944763 (0xFFFFA7FB)
YUV	202.8880, 23.7192, 45.7022
Hunter-Lab	74.7412, 42.2720, -25.5812

Details

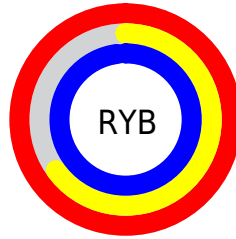
The Yxy color **55.8625, 0.3199, 0.2466** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **82.6787, 0.3058, 0.4281**, and the grayscale version is **59.4847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2554, 0.3142, 0.2980**, and **27.5756, 0.3207, 0.2287** is the 20% darker color. If you saturate the color by 10%, you get **47.3503, 0.3222, 0.2242**, and if you desaturate by 10%, it is **66.2211, 0.3177, 0.2704**.

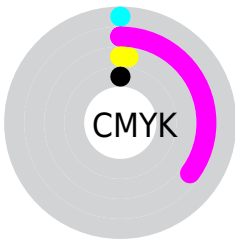
Distribution



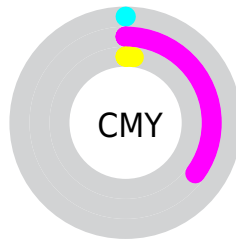
- Red (100%)
- Green (65%)
- Blue (98%)



- Red (100%)
- Yellow (65%)
- Blue (98%)



- Cyan (0%)
- Magenta (35%)
- Yellow (2%)
- Black (0%)




- Cyan (0%)
- Magenta (35%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.8625, 0.3199, 0.2466 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 55.8625, 0.3199, 0.2466 by changing the saturation by 10% instead.


 55.8625, 0.3199,
0.2466

 55.8625, 0.3199,
0.2466


409.1731, 0.3176,
0.2835

 40.0927, 0.3202,
0.2385


 98.8035, 0.3193,
0.2592

 27.6108, 0.3204,
0.2286


 126.7435, 0.3190,
0.2641

 18.0325, 0.3205,
0.2165


159.5090, 0.3187,
0.2684

 10.9733, 0.3204,
0.2011

197.4844, 0.3185,
0.2722

 6.0489, 0.3196,
0.1810

241.0542, 0.3182,
0.2755

 2.8748, 0.3174,
0.1542

290.6026, 0.3180,

 1.0667, 0.3116,

0.2785

0.1173

346.5141, 0.3178,
0.2812

0.0000, 0.3167,
0.0000

0.0000, 0.0000,
0.0000

55.8625, 0.3199,
0.2466

55.8625, 0.3199,
0.2466

47.3503, 0.3222,
0.2242

66.2211, 0.3177,
0.2704

40.5698, 0.3245,
0.2040

78.5199, 0.3155,
0.2946

35.4027, 0.3267,
0.1872

92.8538, 0.3135,
0.3185

31.7135, 0.3288,
0.1743

100.0000, 0.3127,
0.3290

■ 29.3448, 0.3306,
0.1659

■ 28.1031, 0.3322,
0.1617

■ 27.7498, 0.3330,
0.1608

Harmonies

Analogous

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



55.8625, 0.2544, 0.2247



55.8625, 0.3199, 0.2466



55.8625, 0.3908, 0.2856

Triad

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



55.8625, 0.3199, 0.2466



55.8625, 0.4193, 0.4341



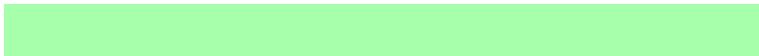
55.8625, 0.1990, 0.3016

Complementary

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



55.8625, 0.3199, 0.2466



82.6787, 0.3058, 0.4281

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.



55.8625, 0.2347, 0.3741



55.8625, 0.3199, 0.2466



55.8625, 0.3613, 0.4577

Square

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



55.8625, 0.3199, 0.2466



55.8625, 0.4503, 0.3876



55.8625, 0.2937, 0.4372



55.8625, 0.1910, 0.2492

Rectangle

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



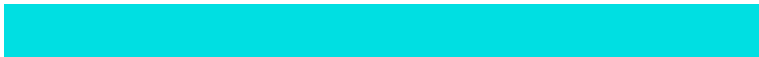
55.8625, 0.3199, 0.2466



55.8625, 0.4281, 0.3178



55.8625, 0.2937, 0.4372



55.8625, 0.2079, 0.3245

Sweetspot

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



55.8645, 0.3199, 0.2466



84.7207, 0.3146, 0.3055



43.4014, 0.2519, 0.2257



17.7101, 0.3149, 0.3021



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.



55.8645, 0.3199, 0.2466



50.1317, 0.3214, 0.2318



53.4592, 0.3564, 0.2867



18.2851, 0.3145, 0.3066



14.5062, 0.3328, 0.1607



1.4167, 0.3313, 0.1599

Inverse Universe

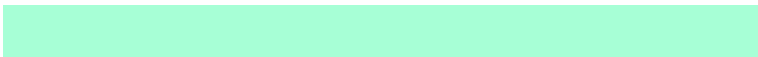
The Inverse Universe completely reimagines the original color for something new.



55.8645, 0.3199, 0.2466



50.1317, 0.3214, 0.2318



84.5886, 0.2837, 0.3760



18.2851, 0.3145, 0.3066



14.5062, 0.3328, 0.1607



1.4167, 0.3313, 0.1599

Previews

White Background



This preview shows how the Yxy color 55.8625, 0.3199, 0.2466 looks on a white background.

Color Contrast Check

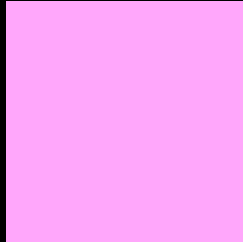
Large Text (above 18pt) WCAG AA × Fail

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 55.8625, 0.3199, 0.2466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

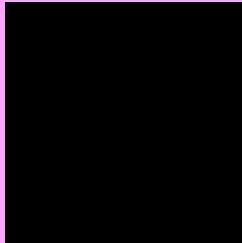
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.8625, 0.3199, 0.2466

Background



This preview shows how black text looks on a background with the Yxy color 55.8625, 0.3199, 0.2466.



This preview shows how white text looks on a background with the Yxy color 55.8625, 0.3199, 0.2466.

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

55.8625, 0.3199, 0.2466

Protanopia

56.0740, 0.2632, 0.2606

Deuteranopia

56.0002, 0.2756, 0.2687



Tritanopia

55.8201, 0.3614, 0.3152

Trichromacy



Original Color

55.8625, 0.3199, 0.2466



Protanomaly

55.2636, 0.2813, 0.2538



Deuteranomaly

55.5054, 0.2904, 0.2595



Tritanomaly

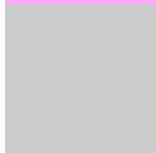
55.7880, 0.3464, 0.2894

Monochromacy



Original Color

55.8625, 0.3199, 0.2466



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

57.5238, 0.3159, 0.2957

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8625, 0.3199, 0.2466 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, 167, 251)` looks like.

```
.text, #text, p{  
    color:rgb(255, 167, 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, 167, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 167, 251) }
```

Border

The CSS property to change the border of an element to Yxy 55.8625, 0.3199, 0.2466 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, 167, 251) }
```

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

```
.border{ border-color:rgb(255, 167, 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, 167, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 167, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 167, 251);  
box-shadow:4px 4px 4px 4px rgb(255, 167,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8625, 0.3199, 0.2466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 167, 251) }
```

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

```
.background{ background-color: rgb(255,  
167, 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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