

Converting Colors

Yxy(56.3050, 0.3183, 0.2458)

Have a look what the booklet for
Yxy(56.3050, 0.3183, 0.2458)
contains.

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Color

Yxy(56.3571, 0.3183, 0.2458)

Conversions

Conversions Part 1

Format	Color
Hex	FFA8FD
RGB	255, 168, 253
RGB Percent	100%, 66%, 99%
CMY	0.0000, 0.3412, 0.0079
CMYK	0.00, 0.34, 0.01, 0.00
HSL	301°, 100%, 83%
HSV	301°, 34%, 100%
XYZ	72.9799, 56.3571, 99.9433
YIQ	203.7030, 24.5670, 44.8790

Conversions

Conversions Part 2

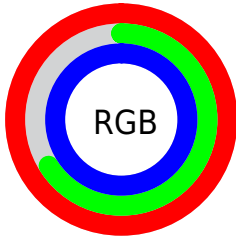
Format	Color
R _Y B	255, 168, 253
Decimal	16754941
CIE Lab	79.82, 44.85, -29.17
CIE LCh	80, 53.500, 326.961
Yxy	56.3571, 0.3183, 0.2458
Android (android.graphics.Color)	4294945021 (0xFFFFA8FD)
YUV	203.7030, 24.3034, 44.9875
Hunter-Lab	75.0714, 42.1522, -26.3834

Details

The Yxy color **56.3571, 0.3183, 0.2458** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **82.7463, 0.3069, 0.4292**, and the grayscale version is **60.0125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7913, 0.3141, 0.2989**, and **27.8905, 0.3186, 0.2278** is the 20% darker color. If you saturate the color by 10%, you get **47.8051, 0.3200, 0.2229**, and if you desaturate by 10%, it is **66.7453, 0.3166, 0.2701**.

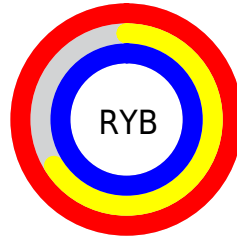
Distribution



Red (100%)

Green (66%)

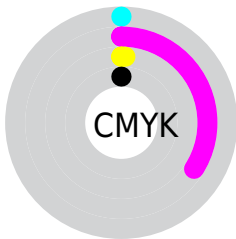
Blue (99%)



Red (100%)

Yellow (66%)

Blue (99%)

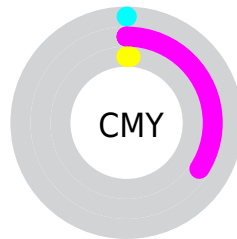


Cyan (0%)

Magenta (34%)

Yellow (1%)

Black (0%)



Cyan (0%)


Magenta (34%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.3571, 0.3183, 0.2458 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 56.3571, 0.3183, 0.2458 by changing the saturation by 10% instead.


 56.3571, 0.3183,
0.2458

 56.3571, 0.3183,
0.2458


411.0359, 0.3168,
0.2830

 40.4893, 0.3184,
0.2376


 99.5265, 0.3180,
0.2584

 27.9203, 0.3184,
0.2278


 127.5969, 0.3178,
0.2634

 18.2656, 0.3182,
0.2156


160.5036, 0.3176,
0.2678

 11.1408, 0.3177,
0.2001

198.6311, 0.3174,
0.2716

 6.1616, 0.3164,
0.1801

242.3636, 0.3172,
0.2749

 2.9436, 0.3134,
0.1534

292.0857, 0.3171,

 1.1024, 0.3065,

0.2779

0.1168

348.1816, 0.3169,
0.2806

■ 0.0000, 0.3097,
0.0000

■ 0.0000, 0.0279,
0.0000

■ 56.3571, 0.3183,
0.2458

■ 56.3571, 0.3183,
0.2458

■ 47.8051, 0.3200,
0.2229

■ 66.7453, 0.3166,
0.2701

■ 40.9957, 0.3216,
0.2024

■ 79.0841, 0.3149,
0.2948

■ 35.8042, 0.3231,
0.1852

■ 93.4609, 0.3133,
0.3192

■ 32.0960, 0.3245,
0.1720

100.0000, 0.3127,
0.3290

■ 29.7143, 0.3256,
0.1632

■ 28.4678, 0.3265,
0.1587

■ 28.1047, 0.3269,
0.1575

Harmonies

Analogous

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



56.3571, 0.2530, 0.2243



56.3571, 0.3183, 0.2458



56.3571, 0.3895, 0.2845

Triad

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



56.3571, 0.3183, 0.2458



56.3571, 0.4205, 0.4334



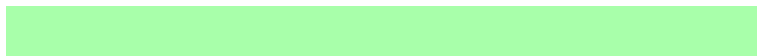
56.3571, 0.1993, 0.3030

Complementary

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



56.3571, 0.3183, 0.2458



82.7463, 0.3069, 0.4292

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.



56.3571, 0.2357, 0.3758



56.3571, 0.3183, 0.2458



56.3571, 0.3628, 0.4578

Square

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



56.3571, 0.3183, 0.2458



56.3571, 0.4508, 0.3865



56.3571, 0.2951, 0.4384



56.3571, 0.1907, 0.2499

Rectangle

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



56.3571, 0.3183, 0.2458



56.3571, 0.4273, 0.3167



56.3571, 0.2951, 0.4384



56.3571, 0.2084, 0.3261

Sweetspot

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



56.3522, 0.3183, 0.2458



84.7577, 0.3142, 0.3049



43.7053, 0.2517, 0.2268



17.7191, 0.3145, 0.3015



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.



56.3522, 0.3183, 0.2458



50.2813, 0.3194, 0.2299



53.9169, 0.3545, 0.2858



18.2927, 0.3142, 0.3061



14.6886, 0.3268, 0.1574



1.4324, 0.3261, 0.1570

Inverse Universe

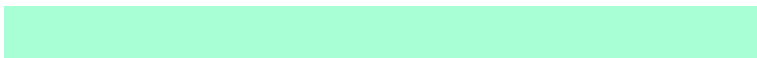
The Inverse Universe completely reimagines the original color for something new.



56.3522, 0.3183, 0.2458



50.2813, 0.3194, 0.2299



84.6450, 0.2848, 0.3771



18.2927, 0.3142, 0.3061



14.6886, 0.3268, 0.1574



1.4324, 0.3261, 0.1570

Previews

White Background



This preview shows how the Yxy color 56.3571, 0.3183, 0.2458 looks on a white background.

Color Contrast Check

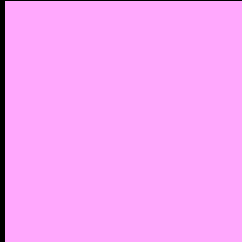
Large Text (above 18pt) WCAG AA × Fail

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 56.3571, 0.3183, 0.2458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

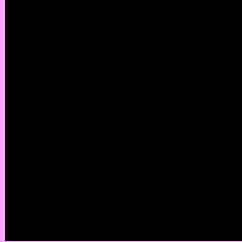
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.3571, 0.3183, 0.2458

Background



This preview shows how black text looks on a background with the Yxy color 56.3571, 0.3183, 0.2458.

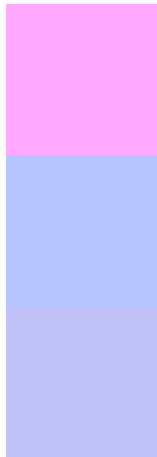


This preview shows how white text looks on a background with the Yxy color 56.3571, 0.3183, 0.2458.

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

56.3571, 0.3183, 0.2458

Protanopia

56.6449, 0.2639, 0.2619

Deuteranopia

56.5674, 0.2745, 0.2678



Tritanopia

56.3117, 0.3594, 0.3142

Trichromacy



Original Color

56.3571, 0.3183, 0.2458



Protanomaly

55.8289, 0.2821, 0.2551



Deuteranomaly

56.0471, 0.2891, 0.2587



Tritanomaly

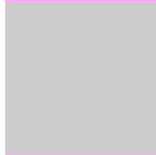
56.2810, 0.3445, 0.2885

Monochromacy



Original Color

56.3571, 0.3183, 0.2458



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

58.2235, 0.3151, 0.2947

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.3571, 0.3183, 0.2458 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, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 168, 253)  
}
```

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, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 168, 253) }
```

Border

The CSS property to change the border of an element to Yxy 56.3571, 0.3183, 0.2458 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, 253) }
```

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

```
.border{ border-color:rgb(255, 168, 253) }
```

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, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 168, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 168, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 168,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 56.3571, 0.3183, 0.2458 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, 253) }
```

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

```
.background{ background-color: rgb(255,  
168, 253) }
```

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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