

Converting Colors

$Yxy(62.7899, 0.3477, 0.2591)$

Have a look what the booklet for
Yxy(62.7899, 0.3477, 0.2591)
contains.

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Color

Yxy(56.7249, 0.3229, 0.2529)

Conversions

Conversions Part 1

Format	Color
Hex	FFAAF7
RGB	255, 170, 247
RGB Percent	100%, 67%, 97%
CMY	0.0000, 0.3335, 0.0313
CMYK	0.00, 0.33, 0.03, 0.00
HSL	306°, 100%, 83%
HSV	306°, 33%, 100%
XYZ	72.4257, 56.7249, 95.1471
YIQ	204.1930, 25.9430, 41.9670

Conversions

Conversions Part 2

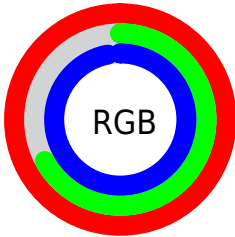
Format	Color
R _Y B	255, 170, 247
Decimal	16755447
CIE Lab	80.02, 42.79, -25.65
CIE LCh	80, 49.889, 329.061
Yxy	56.7249, 0.3229, 0.2529
Android (android.graphics.Color)	4294945527 (0xFFFFAAF7)
YUV	204.1930, 21.1039, 44.5577
Hunter-Lab	75.3159, 39.8473, -22.1803

Details

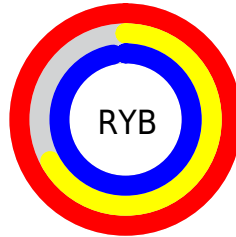
The Yxy color **56.7249, 0.3229, 0.2529** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **83.2742, 0.3039, 0.4193**, and the grayscale version is **60.3513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8727, 0.3140, 0.3009**, and **28.0788, 0.3248, 0.2365** is the 20% darker color. If you saturate the color by 10%, you get **47.9182, 0.3265, 0.2310**, and if you desaturate by 10%, it is **67.3649, 0.3195, 0.2758**.

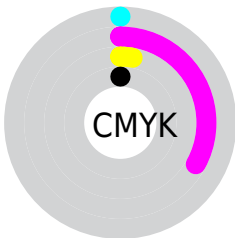
Distribution



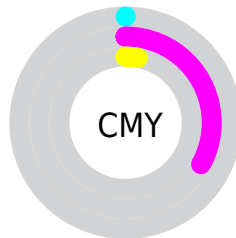
- Red (100%)
- Green (67%)
- Blue (97%)



- Red (100%)
- Yellow (67%)
- Blue (97%)



- Cyan (0%)
- Magenta (33%)
- Yellow (3%)
- Black (0%)




- Cyan (0%)
- Magenta (33%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.7249, 0.3229, 0.2529 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 56.7249, 0.3229, 0.2529 by changing the saturation by 10% instead.


 56.7249, 0.3229,
0.2529

 56.7249, 0.3229,
0.2529

412.4177, 0.3190,
0.2872

 40.7844, 0.3236,
0.2453


 100.0637, 0.3217,
0.2646

 28.1507, 0.3243,
0.2361


128.2307, 0.3212,
0.2692

 18.4393, 0.3251,
0.2247


161.2421, 0.3207,
0.2732

 11.2658, 0.3259,
0.2102

199.4822, 0.3203,
0.2767

 6.2459, 0.3265,
0.1912

243.3354, 0.3199,
0.2798

 2.9952, 0.3264,
0.1654


293.1862, 0.3196,

 1.1292, 0.3241,


0.2825

0.1293


349.4188, 0.3193,
0.2849


 0.0027, 0.3405,
0.0009


 0.0000, 0.0000,
0.0000


 56.7249, 0.3229,
0.2529


 56.7249, 0.3229,
0.2529

 47.9182, 0.3265,
0.2310


 67.3649, 0.3195,
0.2758

 40.8709, 0.3302,
0.2112

 79.9710, 0.3164,
0.2989

 35.4531, 0.3341,
0.1945

 94.6238, 0.3136,
0.3216

 31.5314, 0.3378,
0.1816

100.0000, 0.3127,
0.3290

■ 28.9513, 0.3413,
0.1731

■ 27.5246, 0.3445,
0.1690

■ 27.0344, 0.3465,
0.1683

Harmonies

Analogous

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



56.7249, 0.2608, 0.2313



56.7249, 0.3229, 0.2529



56.7249, 0.3885, 0.2905

Triad

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



56.7249, 0.3229, 0.2529



56.7249, 0.4108, 0.4296



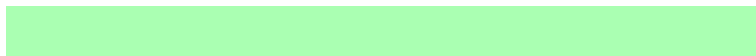
56.7249, 0.2049, 0.3011

Complementary

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



56.7249, 0.3229, 0.2529



83.2742, 0.3039, 0.4193

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.



56.7249, 0.2378, 0.3677



56.7249, 0.3229, 0.2529



56.7249, 0.3559, 0.4488

Square

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



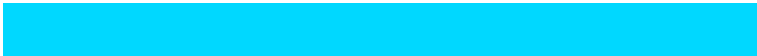
56.7249, 0.3229, 0.2529



56.7249, 0.4408, 0.3872



56.7249, 0.2925, 0.4269



56.7249, 0.1984, 0.2529

Rectangle

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



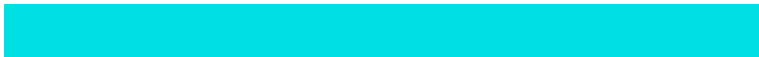
56.7249, 0.3229, 0.2529



56.7249, 0.4222, 0.3214



56.7249, 0.2925, 0.4269



56.7249, 0.2130, 0.3221

Sweetspot

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



56.7136, 0.3228, 0.2529



84.6427, 0.3154, 0.3066



45.3099, 0.2572, 0.2305



17.6911, 0.3158, 0.3034



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.



56.7136, 0.3228, 0.2529



50.6616, 0.3252, 0.2382



54.4236, 0.3583, 0.2924



18.2693, 0.3152, 0.3077



14.1381, 0.3461, 0.1680



1.3848, 0.3429, 0.1662

Inverse Universe

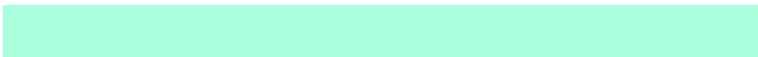
The Inverse Universe completely reimagines the original color for something new.



56.7136, 0.3228, 0.2529



50.6616, 0.3252, 0.2382



85.2067, 0.2824, 0.3691



18.2693, 0.3152, 0.3077



14.1381, 0.3461, 0.1680



1.3848, 0.3429, 0.1662

Previews

White Background



This preview shows how the Yxy color 56.7249, 0.3229, 0.2529 looks on a white background.

Color Contrast Check

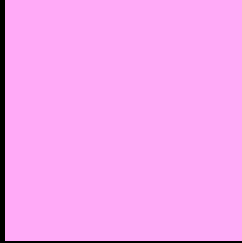
Large Text (above 18pt) WCAG AA × Fail

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 56.7249, 0.3229, 0.2529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

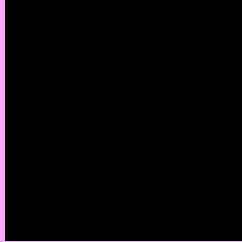
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.7249, 0.3229, 0.2529

Background



This preview shows how black text looks on a background with the Yxy color 56.7249, 0.3229, 0.2529.



This preview shows how white text looks on a background with the Yxy color 56.7249, 0.3229, 0.2529.

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

56.7249, 0.3229, 0.2529

Protanopia

57.2198, 0.2647, 0.2632

Deuteranopia

57.1768, 0.2811, 0.2756



Tritanopia

56.4940, 0.3602, 0.3142

Trichromacy



Original Color

56.7249, 0.3229, 0.2529



Protanomaly

56.1242, 0.2835, 0.2581



Deuteranomaly

56.4012, 0.2947, 0.2659



Tritanomaly

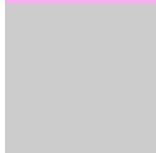
56.3640, 0.3471, 0.2906

Monochromacy



Original Color

56.7249, 0.3229, 0.2529



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

58.5546, 0.3166, 0.2980

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7249, 0.3229, 0.2529 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, 170, 247)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 247)  
}
```

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, 170, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 247) }
```

Border

The CSS property to change the border of an element to Yxy 56.7249, 0.3229, 0.2529 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, 170, 247) }
```

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

```
.border{ border-color:rgb(255, 170, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 170, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 247);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7249, 0.3229, 0.2529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 170, 247) }
```

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

```
.background{ background-color: rgb(255,  
170, 247) }
```

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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