

Converting Colors

$Y_{xy}(86.5110, 0.4189, 0.2785)$

Have a look what the booklet for
Yxy(86.5110, 0.4189, 0.2785)
contains.

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Color

Yxy(56.4203, 0.3269, 0.2574)

Conversions

Conversions Part 1

Format	Color
Hex	FFAAF2
RGB	255, 170, 242
RGB Percent	100%, 67%, 95%
CMY	0.0000, 0.3334, 0.0510
CMYK	0.00, 0.33, 0.05, 0.00
HSL	309°, 100%, 83%
HSV	309°, 33%, 100%
XYZ	71.6542, 56.4203, 91.1186
YIQ	203.6230, 27.5480, 40.4120

Conversions

Conversions Part 2

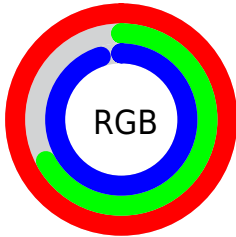
Format	Color
R _Y B	255, 170, 242
Decimal	16755442
CIE Lab	79.85, 41.91, -23.21
CIE LCh	80, 47.903, 331.021
Yxy	56.4203, 0.3269, 0.2574
Android (android.graphics.Color)	4294945522 (0xFFFFAAF2)
YUV	203.6230, 18.9199, 45.0576
Hunter-Lab	75.1134, 38.8309, -19.3441

Details

The Yxy color **56.4203, 0.3269, 0.2574** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **83.4823, 0.3013, 0.4132**, and the grayscale version is **59.9914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8727, 0.3140, 0.3009**, and **27.9063, 0.3291, 0.2408** is the 20% darker color. If you saturate the color by 10%, you get **47.5322, 0.3322, 0.2366**, and if you desaturate by 10%, it is **67.1547, 0.3220, 0.2791**.

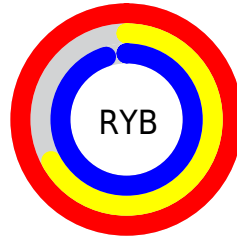
Distribution



Red (100%)

Green (67%)

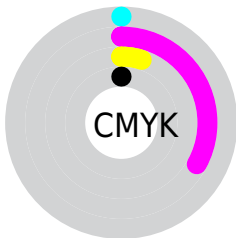
Blue (95%)



Red (100%)

Yellow (67%)

Blue (95%)

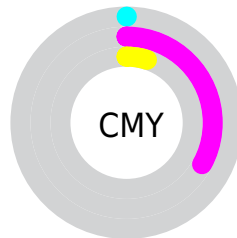


Cyan (0%)

Magenta (33%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (33%)


Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.4203, 0.3269, 0.2574 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 56.4203, 0.3269, 0.2574 by changing the saturation by 10% instead.


 56.4203, 0.3269,
0.2574

 56.4203, 0.3269,
0.2574

411.2735, 0.3210,
0.2898

 40.5400, 0.3281,
0.2502


 99.6188, 0.3250,
0.2685

 27.9598, 0.3295,
0.2414


127.7059, 0.3242,
0.2728

 18.2954, 0.3311,
0.2305


160.6306, 0.3235,
0.2766

 11.1623, 0.3330,
0.2165

198.7774, 0.3229,
0.2799

 6.1761, 0.3352,
0.1981

242.5307, 0.3223,
0.2828

 2.9524, 0.3374,
0.1728

292.2749, 0.3218,

 1.1070, 0.3390,

0.2854

0.1369

348.3944, 0.3214,
0.2877

■ 0.0000, 0.3670,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.4203, 0.3269,
0.2574

■ 56.4203, 0.3269,
0.2574

■ 47.5322, 0.3322,
0.2366

■ 67.1547, 0.3220,
0.2791

■ 40.4019, 0.3379,
0.2177

■ 79.8534, 0.3177,
0.3009

■ 34.9041, 0.3438,
0.2016

■ 94.6021, 0.3139,
0.3221

■ 30.9055, 0.3498,
0.1894

100.0000, 0.3127,
0.3290

■ 28.2516, 0.3557,
0.1816

■ 26.7543, 0.3612,
0.1784

■ 26.2185, 0.3647,
0.1783

Harmonies

Analogous

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



56.4203, 0.2662, 0.2353



56.4203, 0.3269, 0.2574



56.4203, 0.3893, 0.2947

Triad

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



56.4203, 0.3269, 0.2574



56.4203, 0.4046, 0.4283



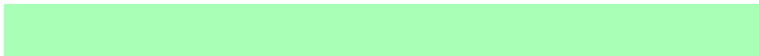
56.4203, 0.2074, 0.2987

Complementary

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



56.4203, 0.3269, 0.2574



83.4823, 0.3013, 0.4132

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.



56.4203, 0.2377, 0.3620



56.4203, 0.3269, 0.2574



56.4203, 0.3508, 0.4440

Square

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



56.4203, 0.3269, 0.2574



56.4203, 0.4353, 0.3887



56.4203, 0.2896, 0.4200



56.4203, 0.2026, 0.2535

Rectangle

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



56.4203, 0.3269, 0.2574



56.4203, 0.4204, 0.3250



56.4203, 0.2896, 0.4200



56.4203, 0.2147, 0.3186

Sweetspot

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



56.4140, 0.3269, 0.2574



84.5472, 0.3163, 0.3080



45.9979, 0.2612, 0.2316



17.6678, 0.3169, 0.3050



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.



56.4140, 0.3269, 0.2574



50.2984, 0.3304, 0.2434



54.1610, 0.3634, 0.2982



18.2498, 0.3162, 0.3091



13.7178, 0.3639, 0.1778



1.3480, 0.3582, 0.1747

Inverse Universe

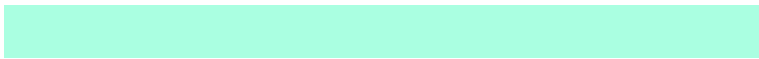
The Inverse Universe completely reimagines the original color for something new.



56.4140, 0.3269, 0.2574



50.2984, 0.3304, 0.2434



85.5137, 0.2796, 0.3625



18.2498, 0.3162, 0.3091



13.7178, 0.3639, 0.1778



1.3480, 0.3582, 0.1747

Previews

White Background



This preview shows how the Yxy color 56.4203, 0.3269, 0.2574 looks on a white background.

Color Contrast Check

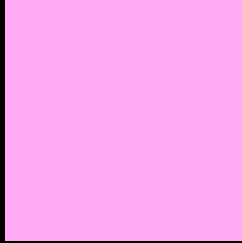
Large Text (above 18pt) WCAG AA × Fail

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 56.4203, 0.3269, 0.2574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

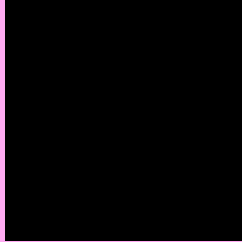
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.4203, 0.3269, 0.2574

Background



This preview shows how black text looks on a background with the Yxy color 56.4203, 0.3269, 0.2574.



This preview shows how white text looks on a background with the Yxy color 56.4203, 0.3269, 0.2574.

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

56.4203, 0.3269, 0.2574

Protanopia

56.7671, 0.2646, 0.2620

Deuteranopia

56.7624, 0.2850, 0.2788



Tritanopia

56.2302, 0.3622, 0.3143

Trichromacy



Original Color

56.4203, 0.3269, 0.2574



Protanomaly

55.9981, 0.2848, 0.2600



Deuteranomaly

55.9900, 0.2997, 0.2701



Tritanomaly

56.2630, 0.3488, 0.2926

Monochromacy



Original Color

56.4203, 0.3269, 0.2574



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

58.4492, 0.3181, 0.3002

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.4203, 0.3269, 0.2574 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, 242)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 242)  
}
```

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, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 242) }
```

Border

The CSS property to change the border of an element to Yxy 56.4203, 0.3269, 0.2574 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, 242) }
```

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

```
.border{ border-color:rgb(255, 170, 242) }
```

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, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 56.4203, 0.3269, 0.2574 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, 242) }
```

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

```
.background{ background-color: rgb(255,  
170, 242) }
```

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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