

Converting Colors

$Y_{xy}(41.7269, 0.2574, 0.2346)$

Have a look what the booklet for
Yxy(41.7269, 0.2574, 0.2346)
contains.

Yxy(41.7062, 0.2573, 0.2344)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(41.7062, 0.2573, 0.2344)

Conversions

Conversions Part 1

Format	Color
Hex	A8A5F3
RGB	168, 165, 243
RGB Percent	66%, 65%, 95%
CMY	0.3412, 0.3529, 0.0470
CMYK	0.31, 0.32, 0.00, 0.05
HSL	242°, 76%, 80%
HSV	242°, 32%, 95%
XYZ	45.7807, 41.7062, 90.4405
YIQ	174.7890, -23.2500, 24.8940

Conversions

Conversions Part 2

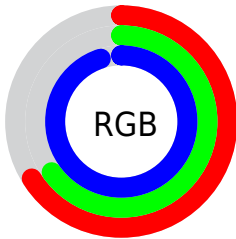
Format	Color
R _Y B	168, 165, 243
Decimal	11052531
CIE Lab	70.67, 18.37, -38.58
CIE LCh	71, 42.726, 295.465
Yxy	41.7062, 0.2573, 0.2344
Android (android.graphics.Color)	4289242611 (0xFFA8A5F3)
YUV	174.7890, 33.6280, -5.9540
Hunter-Lab	64.5803, 13.5223, -37.8255

Details

The Yxy color **41.7062, 0.2573, 0.2344** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **85.3555, 0.3591, 0.4098**, and the grayscale version is **42.5875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.4140, 0.2939, 0.2928**, and **18.9328, 0.2423, 0.2113** is the 20% darker color. If you saturate the color by 10%, you get **31.4197, 0.2365, 0.1994**, and if you desaturate by 10%, it is **54.1224, 0.2767, 0.2673**.

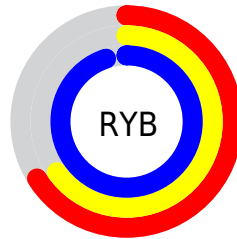
Distribution



Red (66%)

Green (65%)

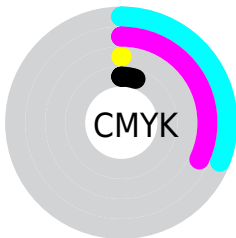
Blue (95%)



Red (66%)

Yellow (65%)

Blue (95%)

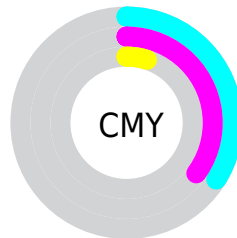


Cyan (31%)

Magenta (32%)

Yellow (0%)

Black (5%)



Cyan (34%)

Magenta (35%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7062, 0.2573, 0.2344 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 41.7062, 0.2573, 0.2344 by changing the saturation by 10% instead.

■ 41.7062, 0.2573,
0.2344

■ 41.7062, 0.2573,
0.2344

■ 353.2636, 0.2853,
0.2795

■ 28.8713, 0.2504,
0.2240

■ 77.7548, 0.2675,
0.2502

■ 18.9835, 0.2416,
0.2110

■ 101.7373, 0.2713,
0.2563

■ 11.6583, 0.2300,
0.1947

■ 130.2044, 0.2745,
0.2615

■ 6.5115, 0.2144,
0.1736

■ 163.5405, 0.2773,
0.2661

■ 3.1585, 0.1925,
0.1456

■ 202.1302, 0.2797,
0.2701

■ 1.2150, 0.1602,
0.1081

■ 246.3576, 0.2818,

■ 0.0739, 0.1093,

0.2736

0.0156

296.6073, 0.2837,
0.2767

0.0000, 0.0000,
0.0000

41.7062, 0.2573,
0.2344

41.7062, 0.2573,
0.2344

31.4197, 0.2365,
0.1994

54.1224, 0.2767,
0.2673

23.1386, 0.2152,
0.1639

68.7733, 0.2943,
0.2973

16.7336, 0.1949,
0.1302

85.7631, 0.3097,
0.3239

12.0580, 0.1770,
0.1012

99.2518, 0.3197,
0.3405

8.9434, 0.1632,
0.0792

■ 7.1879, 0.1544,
0.0657

■ 6.5319, 0.1508,
0.0605

Harmonies

Analogous

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



41.7062, 0.2184, 0.2361



41.7062, 0.2573, 0.2344



41.7062, 0.3149, 0.2529

Triad

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



41.7062, 0.2573, 0.2344



41.7062, 0.4357, 0.3796



41.7062, 0.2469, 0.3735

Complementary

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



41.7062, 0.2573, 0.2344



85.3555, 0.3591, 0.4098

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.



41.7062, 0.3010, 0.4261



41.7062, 0.2573, 0.2344



41.7062, 0.4113, 0.4212

Square

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



41.7062, 0.2573, 0.2344



41.7062, 0.4239, 0.3321



41.7062, 0.3613, 0.4422



41.7062, 0.2124, 0.3099

Rectangle

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



41.7062, 0.2573, 0.2344



41.7062, 0.3575, 0.2745



41.7062, 0.3613, 0.4422



41.7062, 0.2632, 0.3938

Sweetspot

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



41.7078, 0.2573, 0.2344



80.4376, 0.2976, 0.3031



77.0350, 0.2664, 0.3259



16.6744, 0.2954, 0.2992



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.



41.7078, 0.2573, 0.2344



38.2536, 0.2428, 0.2100



46.5931, 0.2867, 0.2417



15.9570, 0.2985, 0.3046



3.5975, 0.1512, 0.0606



0.3266, 0.1541, 0.0623

Inverse Universe

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



52.2619, 0.3189, 0.2519



51.8634, 0.3203, 0.2357



79.2998, 0.3319, 0.4175



16.7567, 0.3144, 0.3066



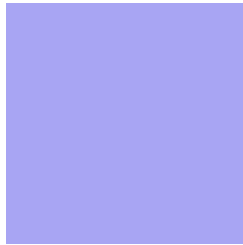
13.7136, 0.3307, 0.1596



1.2087, 0.3294, 0.1588

Previews

White Background



This preview shows how the Yxy color 41.7062, 0.2573, 0.2344 looks on a white background.

Color Contrast Check

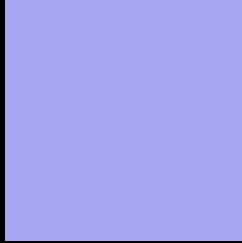
Large Text (above 18pt) WCAG AA × Fail

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 41.7062, 0.2573, 0.2344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

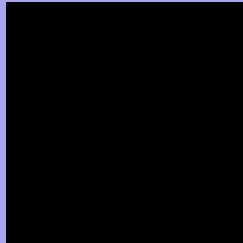
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.7062, 0.2573, 0.2344

Background



This preview shows how black text looks on a background with the Yxy color 41.7062, 0.2573, 0.2344.



This preview shows how white text looks on a background with the Yxy color 41.7062, 0.2573, 0.2344.

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

41.7062, 0.2573, 0.2344

Protanopia

41.7608, 0.2424, 0.2334

Deuteranopia

41.9262, 0.2460, 0.2399



Tritanopia

41.9365, 0.2859, 0.3097

Trichromacy



Original Color

41.7062, 0.2573, 0.2344

Protanomaly

41.6276, 0.2471, 0.2330

Deuteranomaly

41.8547, 0.2502, 0.2384

Tritanomaly

41.6856, 0.2752, 0.2800

Monochromacy



Original Color

41.7062, 0.2573, 0.2344

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.0666, 0.2904, 0.2909

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7062, 0.2573, 0.2344 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(168, 165, 243)` looks like.

```
.text, #text, p{  
    color:rgb(168, 165, 243)  
}
```

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(168, 165, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 165, 243) }
```

Border

The CSS property to change the border of an element to Yxy 41.7062, 0.2573, 0.2344 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(168, 165, 243) }
```

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

```
.border{ border-color:rgb(168, 165, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 165, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 165, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 165, 243);  
box-shadow:4px 4px 4px 4px rgb(168, 165,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7062, 0.2573, 0.2344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 165, 243) }
```

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

```
.background{ background-color: rgb(168,  
165, 243) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor