

Converting Colors

$Y_{xy}(45.2893, 0.2472, 0.2347)$

Have a look what the booklet for
Yxy(45.2893, 0.2472, 0.2347)
contains.

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Color

Yxy(45.2893, 0.2472, 0.2347)

Conversions

Conversions Part 1

Format	Color
Hex	A0AFFE
RGB	160, 175, 254
RGB Percent	63%, 69%, 100%
CMY	0.3729, 0.3136, 0.0040
CMYK	0.37, 0.31, 0.00, 0.00
HSL	230°, 98%, 81%
HSV	230°, 37%, 100%
XYZ	47.7014, 45.2893, 99.9761
YIQ	179.5210, -34.2990, 21.3890

Conversions

Conversions Part 2

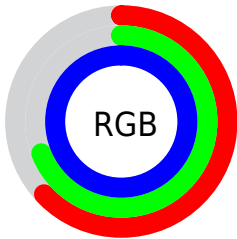
Format	Color
RYB	160, 173, 254
Decimal	10530814
CIELab	73.08, 13.37, -40.80
CIELCh	73, 42.936, 288.144
Yxy	45.2893, 0.2472, 0.2347
Android (android.graphics.Color)	4288720894 (0xFFA0AFFE)
YUV	179.5210, 36.7181, -17.1199
Hunter-Lab	67.2973, 8.7532, -40.9724

Details

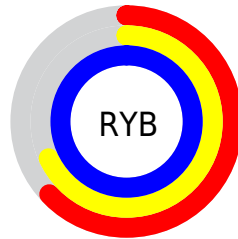
The Yxy color **45.2893, 0.2472, 0.2347** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **85.2598, 0.3736, 0.4082**, and the grayscale version is **45.1800, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5653, 0.2890, 0.3029**, and **21.2004, 0.2301, 0.2122** is the 20% darker color. If you saturate the color by 10%, you get **35.2816, 0.2271, 0.2038**, and if you desaturate by 10%, it is **57.1450, 0.2667, 0.2637**.

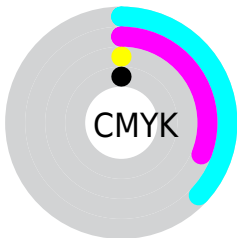
Distribution



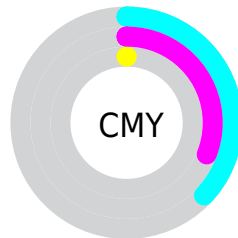
- Red (63%)
- Green (69%)
- Blue (100%)



- Red (63%)
- Yellow (68%)
- Blue (100%)



- Cyan (37%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)





- Cyan (37%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2893, 0.2472, 0.2347 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 45.2893, 0.2472, 0.2347 by changing the saturation by 10% instead.


 45.2893, 0.2472,
0.2347


 45.2893, 0.2472,
0.2347


367.9440, 0.2795,
0.2793

 31.6854, 0.2395,
0.2245

 83.1544, 0.2587,
0.2502

 21.1213, 0.2298,
0.2119


 108.1843, 0.2631,
0.2563

 13.2127, 0.2173,
0.1961


137.7916, 0.2668,
0.2614

 7.5752, 0.2008,
0.1758

172.3608, 0.2701,
0.2660

 3.8243, 0.1784,
0.1492

212.2763, 0.2729,
0.2699

 1.5758, 0.1466,
0.1138

257.9224, 0.2753,

 0.3412, 0.1010,

0.2734

0.0530

309.6835, 0.2775,
0.2765

0.0000, 0.0000,
0.0000

45.2893, 0.2472,
0.2347

45.2893, 0.2472,
0.2347

35.2816, 0.2271,
0.2038

57.1450, 0.2667,
0.2637

27.0227, 0.2074,
0.1724

70.9309, 0.2851,
0.2903

20.4117, 0.1891,
0.1419

86.7303, 0.3019,
0.3140

15.3351, 0.1736,
0.1144

99.9345, 0.3133,
0.3300

11.6641, 0.1620,
0.0917

■ 9.2457, 0.1548,
0.0753

■ 8.7264, 0.1532,
0.0716

Harmonies

Analogous

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



45.2893, 0.2143, 0.2418



45.2893, 0.2472, 0.2347



45.2893, 0.3000, 0.2483

Triad

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



45.2893, 0.2472, 0.2347



45.2893, 0.4336, 0.3677



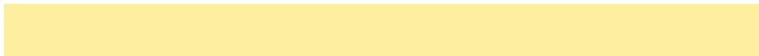
45.2893, 0.2599, 0.3871

Complementary

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



45.2893, 0.2472, 0.2347



85.2598, 0.3736, 0.4082

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.



45.2893, 0.3158, 0.4313



45.2893, 0.2472, 0.2347



45.2893, 0.4179, 0.4107

Square

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



45.2893, 0.2472, 0.2347



45.2893, 0.4131, 0.3210



45.2893, 0.3739, 0.4375



45.2893, 0.2205, 0.3250

Rectangle

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



45.2893, 0.2472, 0.2347



45.2893, 0.3414, 0.2671



45.2893, 0.3739, 0.4375



45.2893, 0.2773, 0.4053

Sweetspot

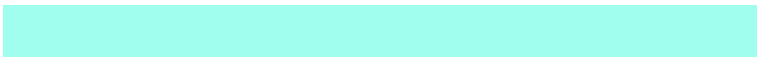
The Sweet Spot groups the original color and five complimentary colors.



45.2910, 0.2472, 0.2347



80.9501, 0.2954, 0.3049



84.5273, 0.2681, 0.3465



16.8618, 0.2931, 0.3017



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.



45.2910, 0.2472, 0.2347



38.4698, 0.2332, 0.2133



43.3801, 0.2670, 0.2227



17.8489, 0.2979, 0.3084



4.7381, 0.1538, 0.0735



0.5896, 0.1586, 0.0908

Inverse Universe

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



49.2771, 0.3888, 0.3133



43.4119, 0.4108, 0.3104



89.0351, 0.3470, 0.4286



18.0346, 0.3269, 0.3252



11.2063, 0.6175, 0.3175



1.1041, 0.5899, 0.3023

Previews

White Background



This preview shows how the Yxy color 45.2893, 0.2472, 0.2347 looks on a white background.

Color Contrast Check

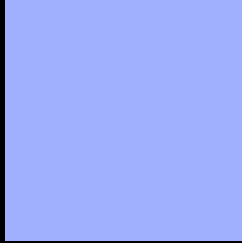
Large Text (above 18pt) WCAG AA × Fail

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 45.2893, 0.2472, 0.2347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

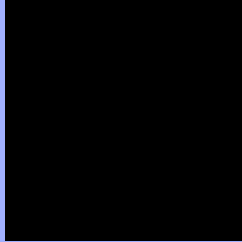
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.2893, 0.2472, 0.2347

Background



This preview shows how black text looks on a background with the Yxy color 45.2893, 0.2472, 0.2347.



This preview shows how white text looks on a background with the Yxy color 45.2893, 0.2472, 0.2347.

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

45.2893, 0.2472, 0.2347

Protanopia

45.1407, 0.2432, 0.2340

Deuteranopia

45.2115, 0.2432, 0.2369



Tritanopia

45.0711, 0.2724, 0.3084

Trichromacy



Original Color

45.2893, 0.2472, 0.2347

Protanomaly

45.3386, 0.2444, 0.2343

Deuteranomaly

45.1111, 0.2448, 0.2361

Tritanomaly

44.8905, 0.2626, 0.2781

Monochromacy



Original Color

45.2893, 0.2472, 0.2347

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.2300, 0.2864, 0.2917

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2893, 0.2472, 0.2347 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(160, 175, 254)` looks like.

```
.text, #text, p{  
    color:rgb(160, 175, 254)  
}
```

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(160, 175, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 175, 254) }
```

Border

The CSS property to change the border of an element to Yxy 45.2893, 0.2472, 0.2347 is called "border". The border property can be set on classes, ids or directly on the HTML element.

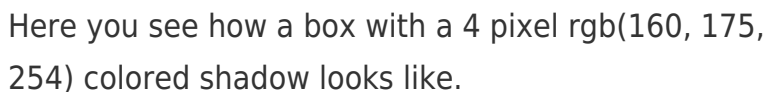
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(160, 175, 254) }
```

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

```
.border{ border-color:rgb(160, 175, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(160, 175, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 175, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 175, 254);  
box-shadow:4px 4px 4px 4px rgb(160, 175,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2893, 0.2472, 0.2347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 175, 254) }
```

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

```
.background{ background-color: rgb(160,  
175, 254) }
```

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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