

Converting Colors

$Yxy(51.6702, 0.2524, 0.2396)$

Have a look what the booklet for
Yxy(51.6702, 0.2524, 0.2396)
contains.

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Color

Yxy(50.9166, 0.2573, 0.2479)

Conversions

Conversions Part 1

Format	Color
Hex	AEB9FF
RGB	174, 185, 255
RGB Percent	68%, 73%, 100%
CMY	0.3177, 0.2745, 0.0001
CMYK	0.32, 0.27, 0.00, 0.00
HSL	232°, 100%, 84%
HSV	232°, 32%, 100%
XYZ	52.8473, 50.9166, 101.6278
YIQ	189.6910, -29.0260, 19.4380

Conversions

Conversions Part 2

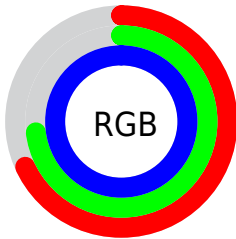
Format	Color
RYB	174, 184, 255
Decimal	11450879
CIELab	76.63, 11.89, -35.75
CIELCh	77, 37.676, 288.392
Yxy	50.9166, 0.2573, 0.2479
Android (android.graphics.Color)	4289640959 (0xFFAEB9FF)
YUV	189.6910, 32.1973, -13.7610
Hunter-Lab	71.3559, 7.3271, -34.4940

Details

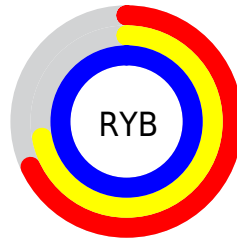
The Yxy color **50.9166, 0.2573, 0.2479** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **88.9763, 0.3640, 0.3988**, and the grayscale version is **51.1289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1195, 0.2981, 0.3149**, and **24.5017, 0.2427, 0.2283** is the 20% darker color. If you saturate the color by 10%, you get **39.7502, 0.2372, 0.2170**, and if you desaturate by 10%, it is **64.0700, 0.2764, 0.2765**.

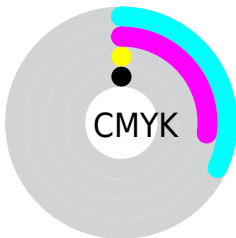
Distribution



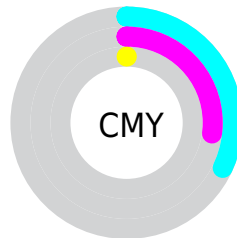
- Red (68%)
- Green (73%)
- Blue (100%)



- Red (68%)
- Yellow (72%)
- Blue (100%)



- Cyan (32%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (32%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.9166, 0.2573, 0.2479 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 50.9166, 0.2573, 0.2479 by changing the saturation by 10% instead.

■ 50.9166, 0.2573,
0.2479

■ 50.9166, 0.2573,
0.2479

■ 390.2397, 0.2842,
0.2859

■ 36.1422, 0.2509,
0.2392

■ 91.5315, 0.2669,
0.2611

■ 24.5441, 0.2429,
0.2285

■ 118.1408, 0.2705,
0.2662

■ 15.7377, 0.2326,
0.2151

■ 149.4639, 0.2736,
0.2707

■ 9.3387, 0.2191,
0.1977

■ 185.8851, 0.2763,
0.2745

■ 4.9628, 0.2004,
0.1747

■ 227.7889, 0.2787,
0.2779

■ 2.2254, 0.1738,
0.1434

■ 275.5597, 0.2808,


■ 0.7338, 0.1343,


0.2809

0.0989

329.5818, 0.2826,
0.2835

 0.0000, 0.0000,
0.0000

 50.9166, 0.2573,
0.2479

 50.9166, 0.2573,
0.2479

 39.7502, 0.2372,
0.2170


 64.0700, 0.2764,
0.2765

 30.4679, 0.2168,
0.1849


 79.2950, 0.2941,
0.3024

 22.9665, 0.1974,
0.1531

 96.6780, 0.3101,
0.3253

 17.1299, 0.1801,
0.1235

 99.9984, 0.3127,
0.3290

 12.8285, 0.1664,
0.0983

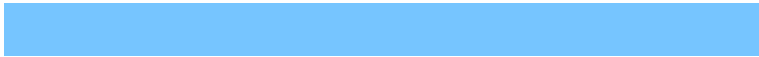
■ 9.9121, 0.1570,
0.0793

■ 8.4048, 0.1524,
0.0687

Harmonies

Analogous

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



50.9166, 0.2284, 0.2545



50.9166, 0.2573, 0.2479



50.9166, 0.3028, 0.2597

Triad

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



50.9166, 0.2573, 0.2479



50.9166, 0.4149, 0.3638



50.9166, 0.2680, 0.3771

Complementary

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



50.9166, 0.2573, 0.2479



88.9763, 0.3640, 0.3988

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.



50.9166, 0.3158, 0.4139



50.9166, 0.2573, 0.2479



50.9166, 0.4022, 0.3999

Square

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



50.9166, 0.2573, 0.2479



50.9166, 0.3975, 0.3233



50.9166, 0.3652, 0.4207



50.9166, 0.2338, 0.3260

Rectangle

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



50.9166, 0.2573, 0.2479



50.9166, 0.3378, 0.2762



50.9166, 0.3652, 0.4207



50.9166, 0.2829, 0.3921

Sweetspot

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



50.9186, 0.2573, 0.2479



82.2233, 0.2970, 0.3066



86.9607, 0.2729, 0.3422



17.1021, 0.2947, 0.3032



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.



50.9186, 0.2573, 0.2479



43.7386, 0.2448, 0.2289



50.0854, 0.2758, 0.2397



17.7766, 0.2979, 0.3078



4.5137, 0.1529, 0.0704



0.5558, 0.1573, 0.0864

Inverse Universe

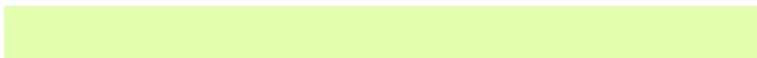
The Inverse Universe completely reimagines the original color for something new.



55.0231, 0.3759, 0.3176



48.6996, 0.3941, 0.3153



90.8292, 0.3416, 0.4140



18.0274, 0.3273, 0.3258



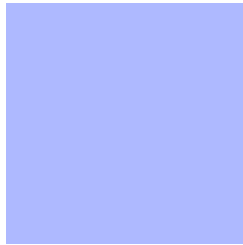
11.1836, 0.6226, 0.3203



1.1007, 0.5968, 0.3062

Previews

White Background



This preview shows how the Yxy color 50.9166, 0.2573, 0.2479 looks on a white background.

Color Contrast Check

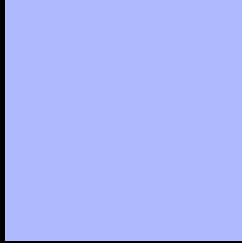
Large Text (above 18pt) WCAG AA × Fail

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 50.9166, 0.2573, 0.2479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

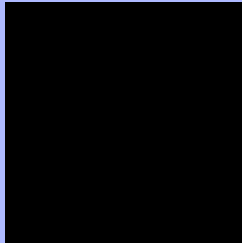
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.9166, 0.2573, 0.2479

Background



This preview shows how black text looks on a background with the Yxy color 50.9166, 0.2573, 0.2479.



This preview shows how white text looks on a background with the Yxy color 50.9166, 0.2573, 0.2479.

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

50.9166, 0.2573, 0.2479

Protanopia

50.7728, 0.2542, 0.2484

Deuteranopia

50.8839, 0.2549, 0.2485



Tritanopia

51.0795, 0.2796, 0.3097

Trichromacy



Original Color

50.9166, 0.2573, 0.2479

Protanomaly

50.9957, 0.2555, 0.2487

Deuteranomaly

50.9957, 0.2555, 0.2487

Tritanomaly

51.0774, 0.2712, 0.2856

Monochromacy



Original Color

50.9166, 0.2573, 0.2479

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

51.0118, 0.2905, 0.2970

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9166, 0.2573, 0.2479 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(174, 185, 255)` looks like.

```
.text, #text, p{  
    color:rgb(174, 185, 255)  
}
```

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(174, 185, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 185, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.9166, 0.2573, 0.2479 is called "border". The border property can be set on classes, ids or directly on the HTML element.

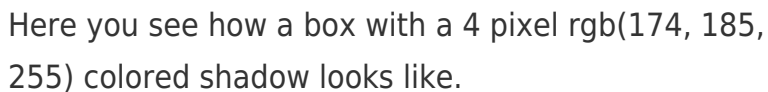
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(174, 185, 255) }
```

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

```
.border{ border-color:rgb(174, 185, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(174, 185, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(174, 185, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(174, 185, 255); box-shadow:4px 4px 4px 4px rgb(174, 185, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9166, 0.2573, 0.2479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 185, 255) }
```

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

```
.background{ background-color: rgb(174,  
185, 255) }
```

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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