

Converting Colors

$Yxy(49.9183, 0.2573, 0.2540)$

Have a look what the booklet for
Yxy(49.9183, 0.2573, 0.2540)
contains.

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Color

Yxy(49.8001, 0.2573, 0.2541)

Conversions

Conversions Part 1

Format	Color
Hex	A8B9F8
RGB	168, 185, 248
RGB Percent	66%, 73%, 97%
CMY	0.3415, 0.2744, 0.0275
CMYK	0.32, 0.25, 0.00, 0.03
HSL	227°, 85%, 82%
HSV	227°, 32%, 97%
XYZ	50.4273, 49.8001, 95.7589
YIQ	187.0990, -30.3550, 15.9890

Conversions

Conversions Part 2

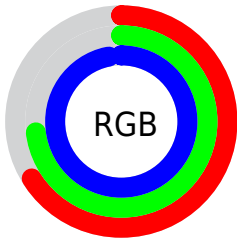
Format	Color
R _Y B	168, 182, 248
Decimal	11057656
CIE Lab	75.95, 8.45, -33.09
CIE LCh	76, 34.152, 284.330
Yxy	49.8001, 0.2573, 0.2541
Android (android.graphics.Color)	4289247736 (0xFFA8B9F8)
YUV	187.0990, 30.0242, -16.7498
Hunter-Lab	70.5692, 4.0563, -31.0551

Details

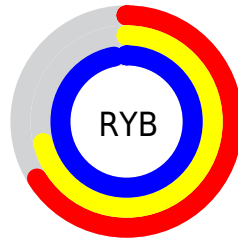
The Yxy color **49.8001, 0.2573, 0.2541** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **79.8723, 0.3666, 0.3940**, and the grayscale version is **49.5873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1381, 0.2943, 0.3147**, and **23.8415, 0.2434, 0.2360** is the 20% darker color. If you saturate the color by 10%, you get **39.7271, 0.2380, 0.2259**, and if you desaturate by 10%, it is **61.5152, 0.2759, 0.2801**.

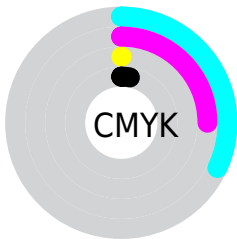
Distribution



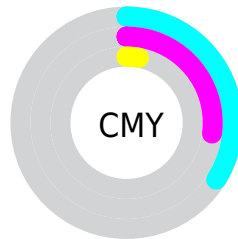
- Red (66%)
- Green (73%)
- Blue (97%)



- Red (66%)
- Yellow (71%)
- Blue (97%)



- Cyan (32%)
- Magenta (25%)
- Yellow (0%)
- Black (3%)



- Cyan (34%)
- Magenta (27%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8001, 0.2573, 0.2541 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 49.8001, 0.2573, 0.2541 by changing the saturation by 10% instead.

■ 49.8001, 0.2573,
0.2541

■ 49.8001, 0.2573,
0.2541

■ 385.8837, 0.2843,
0.2896

■ 35.2546, 0.2509,
0.2459

■ 89.8786, 0.2669,
0.2666

■ 23.8591, 0.2428,
0.2356

■ 116.1804, 0.2706,
0.2714

■ 15.2291, 0.2324,
0.2227

■ 147.1698, 0.2737,
0.2755

■ 8.9803, 0.2186,
0.2058

■ 183.2311, 0.2764,
0.2791

■ 4.7284, 0.1996,
0.1831

■ 224.7487, 0.2788,
0.2822

■ 2.0888, 0.1721,
0.1515

■ 272.1071, 0.2808,

■ 0.6583, 0.1311,

0.2850

0.1037


325.6907, 0.2827,
0.2874


 0.0000, 0.0000,
0.0000

 49.8001, 0.2573,
0.2541


 49.8001, 0.2573,
0.2541


 39.7271, 0.2380,
0.2259


 61.5152, 0.2759,
0.2801

 31.2155, 0.2186,
0.1964


 74.9366, 0.2933,
0.3037

 24.1863, 0.2000,
0.1666

 90.1319, 0.3093,
0.3246

 18.5510, 0.1835,
0.1382

 99.5572, 0.3168,
0.3357

 14.2108, 0.1700,
0.1127

■ 11.0524, 0.1603,
0.0919

■ 9.3210, 0.1554,
0.0795

Harmonies

Analogous

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



49.8001, 0.2329, 0.2630



49.8001, 0.2573, 0.2541



49.8001, 0.2976, 0.2627

Triad

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



49.8001, 0.2573, 0.2541



49.8001, 0.4055, 0.3565



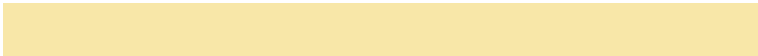
49.8001, 0.2774, 0.3784

Complementary

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



49.8001, 0.2573, 0.2541



79.8723, 0.3666, 0.3940

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.



49.8001, 0.3223, 0.4085



49.8001, 0.2573, 0.2541



49.8001, 0.3977, 0.3906

Square

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



49.8001, 0.2573, 0.2541



49.8001, 0.3859, 0.3192



49.8001, 0.3666, 0.4115



49.8001, 0.2436, 0.3329

Rectangle

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



49.8001, 0.2573, 0.2541



49.8001, 0.3293, 0.2768



49.8001, 0.3666, 0.4115



49.8001, 0.2916, 0.3910

Sweetspot

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



49.8020, 0.2573, 0.2541



83.3466, 0.2971, 0.3087



81.1993, 0.2751, 0.3486



17.3718, 0.2947, 0.3056



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.



49.8020, 0.2573, 0.2541



45.6056, 0.2443, 0.2352



45.7791, 0.2711, 0.2372



17.2438, 0.2979, 0.3098



5.1995, 0.1561, 0.0818



0.6288, 0.1618, 0.1025

Inverse Universe

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



51.4360, 0.3714, 0.3108



48.0523, 0.3894, 0.3069



86.0150, 0.3457, 0.4143



17.2859, 0.3260, 0.3240



10.9358, 0.6041, 0.3102



1.0277, 0.5721, 0.2925

Previews

White Background



This preview shows how the Yxy color 49.8001, 0.2573, 0.2541 looks on a white background.

Color Contrast Check

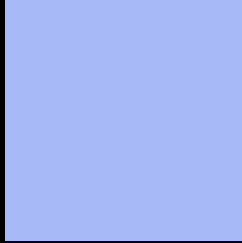
Large Text (above 18pt) WCAG AA × Fail

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 49.8001, 0.2573, 0.2541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

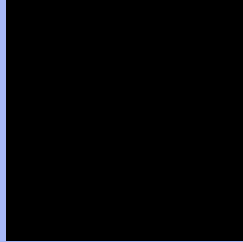
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8001, 0.2573, 0.2541

Background



This preview shows how black text looks on a background with the Yxy color 49.8001, 0.2573, 0.2541.



This preview shows how white text looks on a background with the Yxy color 49.8001, 0.2573, 0.2541.

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

49.8001, 0.2573, 0.2541

Protanopia

49.9103, 0.2580, 0.2542

Deuteranopia

49.7162, 0.2592, 0.2532



Tritanopia

49.6243, 0.2765, 0.3081

Trichromacy



Original Color

49.8001, 0.2573, 0.2541

Protanomaly

49.9103, 0.2580, 0.2542

Deuteranomaly

49.6043, 0.2585, 0.2531

Tritanomaly

49.4043, 0.2687, 0.2860

Monochromacy



Original Color

49.8001, 0.2573, 0.2541

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.4246, 0.2909, 0.3002

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8001, 0.2573, 0.2541 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, 185, 248)` looks like.

```
.text, #text, p{  
    color:rgb(168, 185, 248)  
}
```

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, 185, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 185, 248) }
```

Border

The CSS property to change the border of an element to Yxy 49.8001, 0.2573, 0.2541 is called "border". The border property can be set on classes, ids or directly on the HTML element.

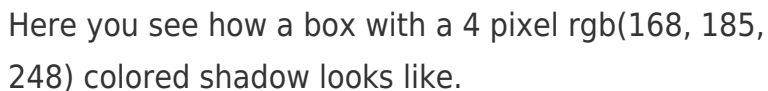
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 185, 248) }
```

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

```
.border{ border-color:rgb(168, 185, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(168, 185, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 185, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 185, 248); box-shadow:4px 4px 4px 4px rgb(168, 185, 248) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8001, 0.2573, 0.2541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 185, 248) }
```

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

```
.background{ background-color: rgb(168,  
185, 248) }
```

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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