

Converting Colors

$Y_{xy}(49.2353, 0.2596, 0.2530)$

Have a look what the booklet for
Yxy(49.2353, 0.2596, 0.2530)
contains.

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Color

Yxy(49.2403, 0.2596, 0.2530)

Conversions

Conversions Part 1

Format	Color
Hex	ABB7F7
RGB	171, 183, 247
RGB Percent	67%, 72%, 97%
CMY	0.3293, 0.2824, 0.0313
CMYK	0.31, 0.26, 0.00, 0.03
HSL	231°, 83%, 82%
HSV	231°, 31%, 97%
XYZ	50.5248, 49.2403, 94.8606
YIQ	186.7080, -27.6960, 17.3600

Conversions

Conversions Part 2

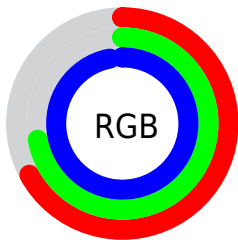
Format	Color
RYB	171, 181, 247
Decimal	11253751
CIELab	75.60, 10.20, -33.08
CIElCh	76, 34.623, 287.142
Yxy	49.2403, 0.2596, 0.2530
Android (android.graphics.Color)	4289443831 (0xFFABB7F7)
YUV	186.7080, 29.7240, -13.7759
Hunter-Lab	70.1714, 5.7235, -31.0306

Details

The Yxy color **49.2403, 0.2596, 0.2530** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.1785, 0.3626, 0.3950**, and the grayscale version is **49.3664, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4470, 0.2962, 0.3128**, and **23.4649, 0.2461, 0.2346** is the 20% darker color. If you saturate the color by 10%, you get **38.7611, 0.2398, 0.2231**, and if you desaturate by 10%, it is **61.5116, 0.2784, 0.2806**.

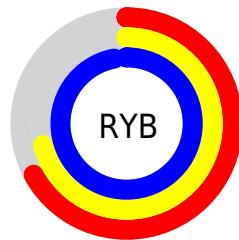
Distribution



Red (67%)

Green (72%)

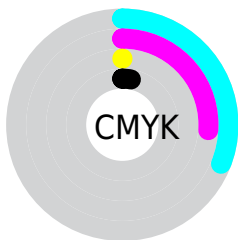
Blue (97%)



Red (67%)

Yellow (71%)

Blue (97%)

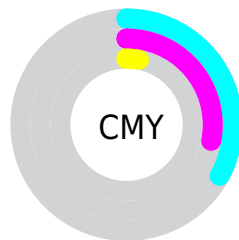


Cyan (31%)

Magenta (26%)

Yellow (0%)

Black (3%)



Cyan (33%)

Magenta (28%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2403, 0.2596, 0.2530 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 49.2403, 0.2596, 0.2530 by changing the saturation by 10% instead.

■ 49.2403, 0.2596,
0.2530

■ 49.2403, 0.2596,
0.2530

383.6876, 0.2856,
0.2890

■ 34.8101, 0.2534,
0.2447

■ 89.0482, 0.2689,
0.2656

■ 23.5167, 0.2455,
0.2343

115.1948, 0.2724,
0.2705

■ 14.9755, 0.2354,
0.2212

146.0157, 0.2754,
0.2747

■ 8.8022, 0.2220,
0.2041

181.8952, 0.2780,
0.2783

■ 4.6124, 0.2033,
0.1812

223.2177, 0.2803,
0.2815

■ 2.0217, 0.1762,
0.1492

270.3677, 0.2823,


■ 0.6200, 0.1354,


0.2843


0.1001


323.7295, 0.2840,
0.2868


 0.0000, 0.0000,
0.0000


 49.2403, 0.2596,
0.2530

 49.2403, 0.2596,
0.2530

 38.7611, 0.2398,
0.2231


 61.5116, 0.2784,
0.2806

 29.9837, 0.2197,
0.1918


 75.6481, 0.2958,
0.3054

 22.8186, 0.2003,
0.1604

 91.7257, 0.3116,
0.3274

 17.1658, 0.1830,
0.1308

 99.4973, 0.3173,
0.3366

 12.9133, 0.1688,
0.1049

■ 9.9331, 0.1587,
0.0845

■ 8.1600, 0.1532,
0.0714

Harmonies

Analogous

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



49.2403, 0.2331, 0.2602



49.2403, 0.2596, 0.2530



49.2403, 0.3017, 0.2633

Triad

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



49.2403, 0.2596, 0.2530



49.2403, 0.4076, 0.3604



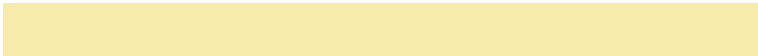
49.2403, 0.2729, 0.3754

Complementary

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



49.2403, 0.2596, 0.2530



82.1785, 0.3626, 0.3950

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.



49.2403, 0.3179, 0.4083



49.2403, 0.2596, 0.2530



49.2403, 0.3971, 0.3942

Square

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



49.2403, 0.2596, 0.2530



49.2403, 0.3902, 0.3225



49.2403, 0.3636, 0.4138



49.2403, 0.2401, 0.3284

Rectangle

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



49.2403, 0.2596, 0.2530



49.2403, 0.3341, 0.2784



49.2403, 0.3636, 0.4138



49.2403, 0.2870, 0.3888

Sweetspot

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



49.2422, 0.2596, 0.2530



84.1803, 0.2987, 0.3095



81.1629, 0.2747, 0.3432



17.5053, 0.2963, 0.3061



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.



49.2422, 0.2596, 0.2530



45.6145, 0.2472, 0.2344



47.6401, 0.2763, 0.2428



16.3477, 0.2979, 0.3084



4.4447, 0.1537, 0.0733



0.5125, 0.1591, 0.0926

Inverse Universe

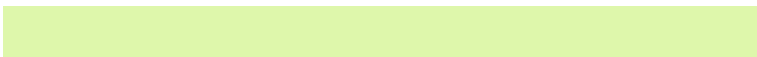
The Inverse Universe completely reimagines the original color for something new.



52.3362, 0.3716, 0.3163



49.7423, 0.3891, 0.3136



84.9633, 0.3416, 0.4108



16.5250, 0.3269, 0.3253



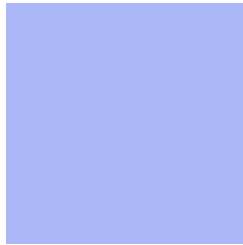
10.5481, 0.6179, 0.3178



0.9394, 0.5872, 0.3008

Previews

White Background



This preview shows how the Yxy color 49.2403, 0.2596, 0.2530 looks on a white background.

Color Contrast Check

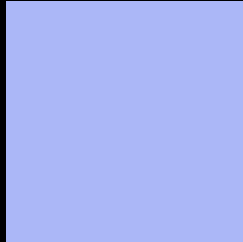
Large Text (above 18pt) WCAG AA × Fail

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 49.2403, 0.2596, 0.2530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

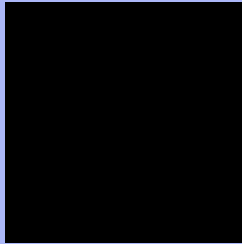
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.2403, 0.2596, 0.2530

Background



This preview shows how black text looks on a background with the Yxy color 49.2403, 0.2596, 0.2530.



This preview shows how white text looks on a background with the Yxy color 49.2403, 0.2596, 0.2530.

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

49.2403, 0.2596, 0.2530

Protanopia

49.3831, 0.2572, 0.2528

Deuteranopia

49.2403, 0.2596, 0.2530



Tritanopia

49.3992, 0.2798, 0.3094

Trichromacy



Original Color

49.2403, 0.2596, 0.2530

Protanomaly

49.4933, 0.2579, 0.2530

Deuteranomaly

49.2403, 0.2596, 0.2530

Tritanomaly

49.1862, 0.2719, 0.2873

Monochromacy



Original Color

49.2403, 0.2596, 0.2530

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.5450, 0.2916, 0.3002

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2403, 0.2596, 0.2530 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(171, 183, 247)` looks like.

```
.text, #text, p{  
    color:rgb(171, 183, 247)  
}
```

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(171, 183, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 183, 247) }
```

Border

The CSS property to change the border of an element to Yxy 49.2403, 0.2596, 0.2530 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(171, 183, 247) }
```

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

```
.border{ border-color:rgb(171, 183, 247) }
```

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

Here you see how a box with a 4 pixel rgb(171, 183, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 183, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 183, 247);  
box-shadow:4px 4px 4px 4px rgb(171, 183,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2403, 0.2596, 0.2530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 183, 247) }
```

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

```
.background{ background-color: rgb(171,  
183, 247) }
```

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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