

Converting Colors

$Yxy(49.3317, 0.2398, 0.2136)$

Have a look what the booklet for
Yxy(49.3317, 0.2398, 0.2136)
contains.

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Color

Yxy(47.3222, 0.2541, 0.2378)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | ABB1FF |
| RGB | 171, 177, 255 |
| RGB Percent | 67%, 69%, 100% |
| CMY | 0.3295, 0.3059, 0.0000 |
| CMYK | 0.33, 0.31, 0.00, 0.00 |
| HSL | 236°, 100%, 84% |
| HSV | 236°, 33%, 100% |
| XYZ | 50.5659, 47.3222, 101.1119 |
| YIQ | 184.0980, -28.6140, 22.9860 |

Conversions

Conversions Part 2

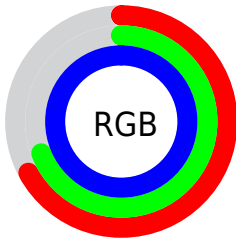
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 171, 177, 255 |
| Decimal | 11252223 |
| CIE _{Lab} | 74.40, 15.51, -39.27 |
| CIE _{LCh} | 74, 42.221, 291.551 |
| Yxy | 47.3222, 0.2541, 0.2378 |
| Android (android.graphics.Color) | 4289442303 (0xFFABB1FF) |
| YUV | 184.0980, 34.9547, -11.4869 |
| Hunter-Lab | 68.7911, 10.8245, -38.9930 |

Details

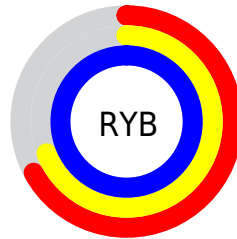
The Yxy color `47.3222, 0.2541, 0.2378` is a light color, and the websafe version is hex `9999FF`. A complement of this color would be `91.9244, 0.3644, 0.4062`, and the grayscale version is `47.8008, 0.3127, 0.3290`.

A 20% lighter version of the original color is `81.9918, 0.2961, 0.3066`, and `22.4575, 0.2386, 0.2167` is the 20% darker color. If you saturate the color by 10%, you get `36.1763, 0.2333, 0.2046`, and if you desaturate by 10%, it is `60.6397, 0.2739, 0.2690`.

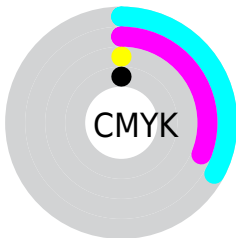
Distribution



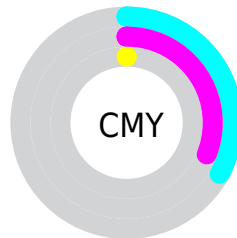
- Red (67%)
- Green (69%)
- Blue (100%)



- Red (67%)
- Yellow (69%)
- Blue (100%)



- Cyan (33%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.3222, 0.2541, 0.2378 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 47.3222, 0.2541, 0.2378 by changing the saturation by 10% instead.

■ 47.3222, 0.2541,
0.2378

■ 47.3222, 0.2541,
0.2378

376.0992, 0.2830,
0.2806

■ 33.2904, 0.2472,
0.2280

■ 86.1944, 0.2644,
0.2527

■ 22.3490, 0.2385,
0.2161

111.8036, 0.2683,
0.2584

■ 14.1136, 0.2273,
0.2010

142.0407, 0.2717,
0.2634

■ 8.1997, 0.2125,
0.1818

177.2901, 0.2746,
0.2678

■ 4.2230, 0.1921,
0.1564

217.9363, 0.2771,
0.2716

■ 1.7991, 0.1630,
0.1226

264.3636, 0.2793,

■ 0.4866, 0.1212,


0.2749

0.0701

316.9564, 0.2812,
0.2779

 0.0000, 0.0000,
0.0000

 47.3222, 0.2541,
0.2378


 47.3222, 0.2541,
0.2378


 36.1763, 0.2333,
0.2046


 60.6397, 0.2739,
0.2690

 27.0893, 0.2123,
0.1705


 76.2387, 0.2920,
0.2972

 19.9340, 0.1925,
0.1377

 94.2181, 0.3083,
0.3222

 14.5701, 0.1753,
0.1085

100.0000, 0.3127,
0.3290

 10.8383, 0.1622,
0.0853

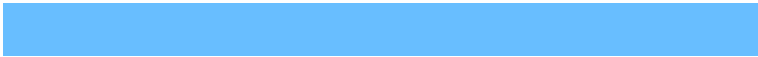
■ 8.5508, 0.1540,
0.0697

■ 7.6635, 0.1509,
0.0633

Harmonies

Analogous

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



47.3222, 0.2196, 0.2424



47.3222, 0.2541, 0.2378



47.3222, 0.3072, 0.2531

Triad

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



47.3222, 0.2541, 0.2378



47.3222, 0.4300, 0.3720



47.3222, 0.2562, 0.3787

Complementary

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



47.3222, 0.2541, 0.2378



91.9244, 0.3644, 0.4062

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.



47.3222, 0.3094, 0.4247



47.3222, 0.2541, 0.2378



47.3222, 0.4112, 0.4126

Square

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



47.3222, 0.2541, 0.2378



47.3222, 0.4139, 0.3265



47.3222, 0.3663, 0.4353



47.3222, 0.2202, 0.3186

Rectangle

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



47.3222, 0.2541, 0.2378



47.3222, 0.3475, 0.2726



47.3222, 0.3663, 0.4353



47.3222, 0.2726, 0.3970

Sweetspot

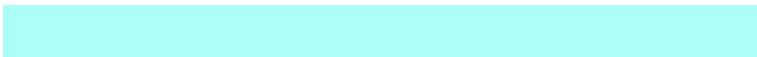
The Sweet Spot groups the original color and five complimentary colors.



47.3213, 0.2541, 0.2378



81.2990, 0.2970, 0.3049



86.9512, 0.2690, 0.3365



16.8806, 0.2947, 0.3013



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.



47.3213, 0.2541, 0.2378



39.2498, 0.2395, 0.2146



49.4517, 0.2783, 0.2371



17.5874, 0.2978, 0.3062



4.0800, 0.1512, 0.0644



0.4668, 0.1540, 0.0742

Inverse Universe

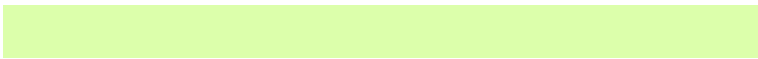
The Inverse Universe completely reimagines the original color for something new.



53.5474, 0.3843, 0.3229



46.5922, 0.4072, 0.3216



89.6724, 0.3389, 0.4185



18.0083, 0.3283, 0.3273



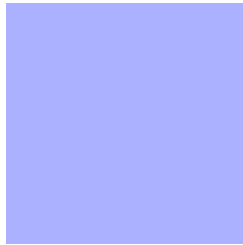
11.1398, 0.6327, 0.3259



1.0917, 0.6163, 0.3169

Previews

White Background



This preview shows how the Yxy color 47.3222, 0.2541, 0.2378 looks on a white background.

Color Contrast Check

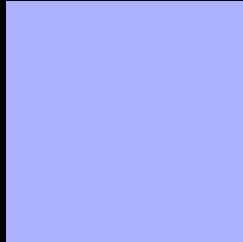
Large Text (above 18pt) WCAG AA × Fail

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 47.3222, 0.2541, 0.2378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

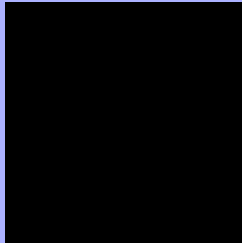
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.3222, 0.2541, 0.2378

Background



This preview shows how black text looks on a background with the Yxy color 47.3222, 0.2541, 0.2378.



This preview shows how white text looks on a background with the Yxy color 47.3222, 0.2541, 0.2378.

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

47.3222, 0.2541, 0.2378

Protanopia

47.3361, 0.2476, 0.2398

Deuteranopia

47.5744, 0.2477, 0.2419



Tritanopia

47.1758, 0.2799, 0.3091

Trichromacy



Original Color

47.3222, 0.2541, 0.2378

Protanomaly

47.3527, 0.2499, 0.2392

Deuteranomaly

47.5848, 0.2500, 0.2412

Tritanomaly

46.8740, 0.2699, 0.2806

Monochromacy



Original Color

47.3222, 0.2541, 0.2378

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.2846, 0.2892, 0.2925

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.3222, 0.2541, 0.2378 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, 177, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 177, 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(171, 177, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 177, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.3222, 0.2541, 0.2378 is called "border". The border property can be set on classes, ids or directly on the HTML element.

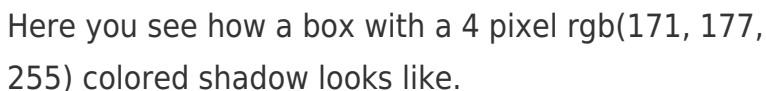
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(171, 177, 255) }
```

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

```
.border{ border-color:rgb(171, 177, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(171, 177, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 177, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 177, 255); box-shadow:4px 4px 4px 4px rgb(171, 177, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.3222, 0.2541, 0.2378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 177, 255) }
```

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

```
.background{ background-color: rgb(171,  
177, 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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