

Converting Colors

$Y_{xy}(48.7028, 0.2535, 0.2423)$

Have a look what the booklet for
Yxy(48.7028, 0.2535, 0.2423)
contains.

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Color

Yxy(48.7028, 0.2535, 0.2423)

Conversions

Conversions Part 1

Format	Color
Hex	A9B5FF
RGB	169, 181, 255
RGB Percent	66%, 71%, 100%
CMY	0.3369, 0.2903, 0.0000
CMYK	0.34, 0.29, 0.00, 0.00
HSL	232°, 100%, 83%
HSV	232°, 34%, 100%
XYZ	50.9540, 48.7028, 101.3452
YIQ	185.8480, -30.9060, 20.4700

Conversions

Conversions Part 2

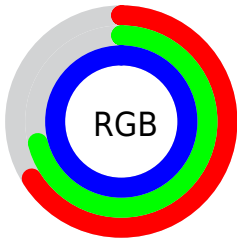
Format	Color
R_{YB}	169, 180, 255
Decimal	11122175
CIE _{Lab}	75.27, 12.79, -37.92
CIE _{LCh}	75, 40.018, 288.639
Yxy	48.7028, 0.2535, 0.2423
Android (android.graphics.Color)	4289312255 (0xFFA9B5FF)
YUV	185.8480, 34.0919, -14.7757
Hunter-Lab	69.7874, 8.2007, -37.2498

Details

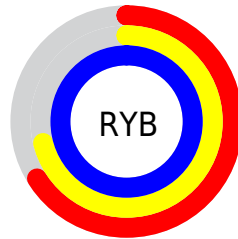
The Yxy color **48.7028, 0.2535, 0.2423** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **88.3014, 0.3673, 0.4029**, and the grayscale version is **48.8394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9571, 0.2949, 0.3106**, and **23.0930, 0.2378, 0.2209** is the 20% darker color. If you saturate the color by 10%, you get **37.9094, 0.2333, 0.2112**, and if you desaturate by 10%, it is **61.4556, 0.2729, 0.2714**.

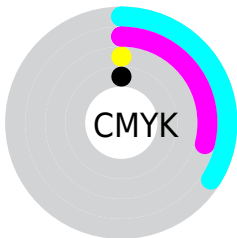
Distribution



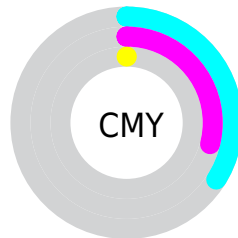
- Red (66%)
- Green (71%)
- Blue (100%)



- Red (66%)
- Yellow (71%)
- Blue (100%)



- Cyan (34%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7028, 0.2535, 0.2423 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 48.7028, 0.2535, 0.2423 by changing the saturation by 10% instead.

■ 48.7028, 0.2535,
0.2423

■ 48.7028, 0.2535,
0.2423

■ 381.5711, 0.2824,
0.2830

■ 34.3838, 0.2466,
0.2330

■ 88.2499, 0.2638,
0.2565

■ 23.1886, 0.2380,
0.2215

■ 114.2467, 0.2677,
0.2620

■ 14.7328, 0.2269,
0.2071

■ 144.9050, 0.2711,
0.2667

■ 8.6321, 0.2122,
0.1886

■ 180.6091, 0.2740,
0.2708

■ 4.5020, 0.1921,
0.1641

■ 221.7433, 0.2765,
0.2744

■ 1.9581, 0.1635,
0.1311

■ 268.6921, 0.2787,

■ 0.5830, 0.1221,

0.2776

0.0822

321.8399, 0.2807,
0.2805

0.0000, 0.0000,
0.0000

48.7028, 0.2535,
0.2423

48.7028, 0.2535,
0.2423

37.9094, 0.2333,
0.2112

61.4556, 0.2729,
0.2714

28.9772, 0.2131,
0.1790

76.2586, 0.2908,
0.2977

21.7997, 0.1940,
0.1475

93.1973, 0.3071,
0.3211

16.2594, 0.1773,
0.1187

100.0000, 0.3127,
0.3290

12.2237, 0.1643,
0.0945

■ 9.5387, 0.1558,
0.0767

■ 8.4376, 0.1525,
0.0690

Harmonies

Analogous

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



48.7028, 0.2226, 0.2489



48.7028, 0.2535, 0.2423



48.7028, 0.3023, 0.2551

Triad

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



48.7028, 0.2535, 0.2423



48.7028, 0.4229, 0.3660



48.7028, 0.2640, 0.3807

Complementary

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



48.7028, 0.2535, 0.2423



88.3014, 0.3673, 0.4029

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.



48.7028, 0.3152, 0.4209



48.7028, 0.2535, 0.2423



48.7028, 0.4085, 0.4050

Square

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



48.7028, 0.2535, 0.2423



48.7028, 0.4045, 0.3229



48.7028, 0.3683, 0.4279



48.7028, 0.2278, 0.3249

Rectangle

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



48.7028, 0.2535, 0.2423



48.7028, 0.3400, 0.2727



48.7028, 0.3683, 0.4279



48.7028, 0.2800, 0.3971

Sweetspot

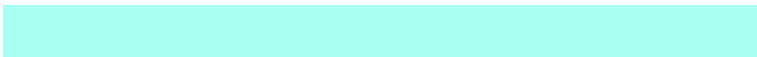
The Sweet Spot groups the original color and five complimentary colors.



48.7029, 0.2535, 0.2423



82.2531, 0.2970, 0.3067



86.3832, 0.2709, 0.3431



17.1093, 0.2947, 0.3033



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.



48.7029, 0.2535, 0.2423



41.6683, 0.2408, 0.2229



47.7955, 0.2731, 0.2337



17.7827, 0.2979, 0.3079



4.5314, 0.1530, 0.0707



0.5587, 0.1574, 0.0867

Inverse Universe

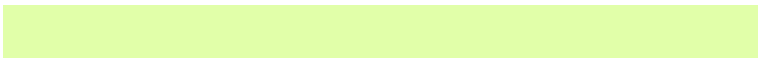
The Inverse Universe completely reimagines the original color for something new.



53.0064, 0.3811, 0.3167



46.8364, 0.4002, 0.3144



90.3850, 0.3432, 0.4195



18.0280, 0.3273, 0.3257



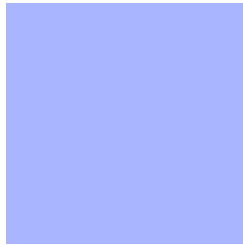
11.1854, 0.6222, 0.3201



1.1009, 0.5962, 0.3058

Previews

White Background



This preview shows how the Yxy color 48.7028, 0.2535, 0.2423 looks on a white background.

Color Contrast Check

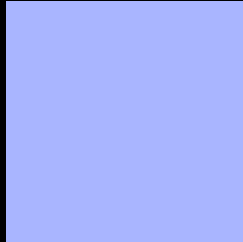
Large Text (above 18pt) WCAG AA × Fail

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 48.7028, 0.2535, 0.2423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

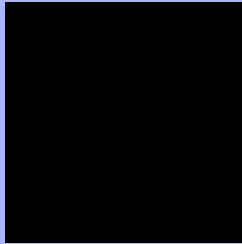
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.7028, 0.2535, 0.2423

Background



This preview shows how black text looks on a background with the Yxy color 48.7028, 0.2535, 0.2423.



This preview shows how white text looks on a background with the Yxy color 48.7028, 0.2535, 0.2423.

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

48.7028, 0.2535, 0.2423

Protanopia

48.8735, 0.2500, 0.2439

Deuteranopia

48.8735, 0.2500, 0.2439



Tritanopia

48.5522, 0.2769, 0.3079

Trichromacy



Original Color

48.7028, 0.2535, 0.2423

Protanomaly

48.6752, 0.2511, 0.2430

Deuteranomaly

48.6752, 0.2511, 0.2430

Tritanomaly

48.6038, 0.2679, 0.2823

Monochromacy



Original Color

48.7028, 0.2535, 0.2423

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.6874, 0.2894, 0.2952

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7028, 0.2535, 0.2423 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(169, 181, 255)` looks like.

```
.text, #text, p{  
    color:rgb(169, 181, 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(169, 181, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 181, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.7028, 0.2535, 0.2423 is called "border". The border property can be set on classes, ids or directly on the HTML element.

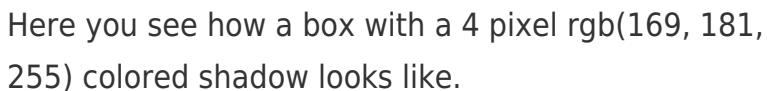
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(169, 181, 255) }
```

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

```
.border{ border-color:rgb(169, 181, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(169, 181, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 181, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 181, 255); box-shadow:4px 4px 4px 4px rgb(169, 181, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7028, 0.2535, 0.2423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 181, 255) }
```

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

```
.background{ background-color: rgb(169,  
181, 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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