

Converting Colors

$Y_{xy}(51.3183, 0.2566, 0.2493)$

Have a look what the booklet for
Yxy(51.3183, 0.2566, 0.2493)
contains.

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Color

Yxy(51.2220, 0.2568, 0.2489)

Conversions

Conversions Part 1

Format	Color
Hex	ADBAFF
RGB	173, 186, 255
RGB Percent	68%, 73%, 100%
CMY	0.3215, 0.2706, 0.0000
CMYK	0.32, 0.27, 0.00, 0.00
HSL	231°, 100%, 84%
HSV	231°, 32%, 100%
XYZ	52.8478, 51.2220, 101.7237
YIQ	189.9790, -29.8970, 18.7030

Conversions

Conversions Part 2

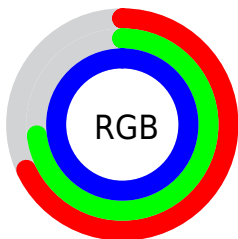
Format	Color
R _Y B	173, 184, 255
Decimal	11385599
CIE Lab	76.81, 11.09, -35.49
CIE LCh	77, 37.187, 287.354
Yxy	51.2220, 0.2568, 0.2489
Android (android.graphics.Color)	4289575679 (0xFFADBAFF)
YUV	189.9790, 32.0554, -14.8906
Hunter-Lab	71.5695, 6.5597, -34.1718

Details

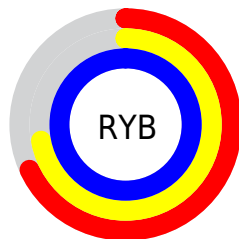
The Yxy color **51.2220, 0.2568, 0.2489** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87.7982, 0.3651, 0.3980**, and the grayscale version is **51.3067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5473, 0.2974, 0.3159**, and **24.7038, 0.2422, 0.2296** is the 20% darker color. If you saturate the color by 10%, you get **40.2129, 0.2369, 0.2187**, and if you desaturate by 10%, it is **64.1459, 0.2758, 0.2769**.

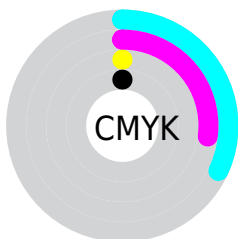
Distribution



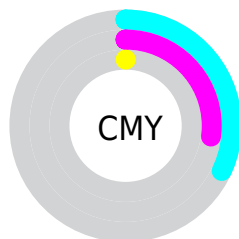
- Red (68%)
- Green (73%)
- Blue (100%)



- 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 51.2220, 0.2568, 0.2489 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 51.2220, 0.2568, 0.2489 by changing the saturation by 10% instead.

■ 51.2220, 0.2568,
0.2489

■ 51.2220, 0.2568,
0.2489

■ 391.4257, 0.2839,
0.2865

■ 36.3853, 0.2504,
0.2403

■ 91.9828, 0.2664,
0.2620

■ 24.7319, 0.2423,
0.2297

■ 118.6758, 0.2701,
0.2670

■ 15.8774, 0.2320,
0.2164

■ 150.0896, 0.2733,
0.2714

■ 9.4375, 0.2184,
0.1992

■ 186.6087, 0.2760,
0.2752

■ 5.0276, 0.1998,
0.1764

■ 228.6175, 0.2783,
0.2785

■ 2.2635, 0.1731,
0.1452

■ 276.5003, 0.2804,


■ 0.7543, 0.1337,


0.2815


0.1012

330.6416, 0.2823,
0.2841


 0.0000, 0.0000,
0.0000


 51.2220, 0.2568,
0.2489

 51.2220, 0.2568,
0.2489

 40.2129, 0.2369,
0.2187


 64.1459, 0.2758,
0.2769


 31.0242, 0.2168,
0.1873

 79.0679, 0.2935,
0.3021

 23.5568, 0.1976,
0.1560

 96.0693, 0.3095,
0.3246

 17.7012, 0.1806,
0.1268

 100.0000, 0.3127,
0.3290

 13.3347, 0.1670,
0.1016

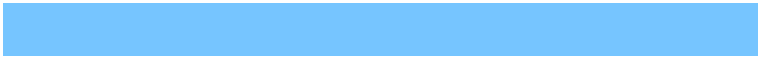
■ 10.3159, 0.1576,
0.0821

■ 8.7616, 0.1532,
0.0713

Harmonies

Analogous

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



51.2220, 0.2289, 0.2562



51.2220, 0.2568, 0.2489



51.2220, 0.3013, 0.2599

Triad

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



51.2220, 0.2568, 0.2489



51.2220, 0.4133, 0.3620



51.2220, 0.2701, 0.3780

Complementary

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



51.2220, 0.2568, 0.2489



87.7982, 0.3651, 0.3980

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.



51.2220, 0.3176, 0.4133



51.2220, 0.2568, 0.2489



51.2220, 0.4018, 0.3979

Square

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



51.2220, 0.2568, 0.2489



51.2220, 0.3951, 0.3221



51.2220, 0.3660, 0.4190



51.2220, 0.2358, 0.3278

Rectangle

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



51.2220, 0.2568, 0.2489



51.2220, 0.3357, 0.2759



51.2220, 0.3660, 0.4190



51.2220, 0.2850, 0.3924

Sweetspot

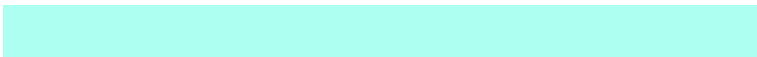
The Sweet Spot groups the original color and five complimentary colors.



51.2228, 0.2568, 0.2489



82.5419, 0.2970, 0.3072



86.7778, 0.2732, 0.3439



17.1785, 0.2947, 0.3039



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.



51.2228, 0.2568, 0.2489



43.4780, 0.2432, 0.2284



49.4431, 0.2743, 0.2383



17.8418, 0.2979, 0.3083



4.7147, 0.1537, 0.0732



0.5863, 0.1585, 0.0904

Inverse Universe

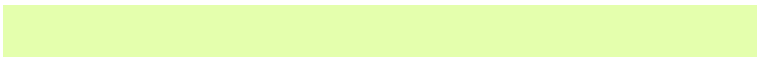
The Inverse Universe completely reimagines the original color for something new.



54.7008, 0.3753, 0.3156



47.8375, 0.3950, 0.3127



90.9787, 0.3429, 0.4148



18.0339, 0.3269, 0.3253



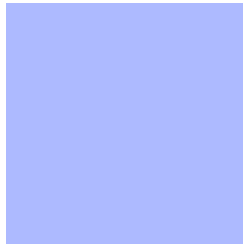
11.2039, 0.6180, 0.3178



1.1037, 0.5906, 0.3027

Previews

White Background



This preview shows how the Yxy color 51.2220, 0.2568, 0.2489 looks on a white background.

Color Contrast Check

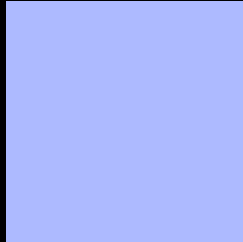
Large Text (above 18pt) WCAG AA × Fail

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 51.2220, 0.2568, 0.2489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

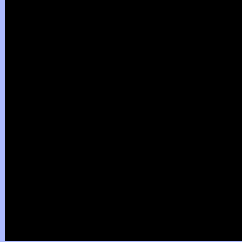
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.2220, 0.2568, 0.2489

Background



This preview shows how black text looks on a background with the Yxy color 51.2220, 0.2568, 0.2489.



This preview shows how white text looks on a background with the Yxy color 51.2220, 0.2568, 0.2489.

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

51.2220, 0.2568, 0.2489

Protanopia

51.3067, 0.2550, 0.2497

Deuteranopia

51.4186, 0.2557, 0.2499



Tritanopia

51.0232, 0.2782, 0.3084

Trichromacy



Original Color

51.2220, 0.2568, 0.2489

Protanomaly

51.4186, 0.2557, 0.2499

Deuteranomaly

51.5313, 0.2563, 0.2500

Tritanomaly

50.9681, 0.2705, 0.2855

Monochromacy



Original Color

51.2220, 0.2568, 0.2489

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

51.4406, 0.2905, 0.2983

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.2220, 0.2568, 0.2489 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(173, 186, 255)` looks like.

```
.text, #text, p{  
    color:rgb(173, 186, 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(173, 186, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 186, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.2220, 0.2568, 0.2489 is called "border". The border property can be set on classes, ids or directly on the HTML element.

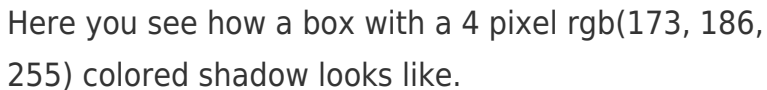
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(173, 186, 255) }
```

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

```
.border{ border-color:rgb(173, 186, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(173, 186, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(173, 186, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(173, 186, 255); box-shadow:4px 4px 4px 4px rgb(173, 186, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.2220, 0.2568, 0.2489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 186, 255) }
```

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

```
.background{ background-color: rgb(173,  
186, 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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