

Converting Colors

$Y_{xy}(41.3285, 0.2669, 0.2146)$

Have a look what the booklet for
Yxy(41.3285, 0.2669, 0.2146)
contains.

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Color

Yxy(41.3399, 0.2670, 0.2146)

Conversions

Conversions Part 1

Format	Color
Hex	C199FF
RGB	193, 153, 255
RGB Percent	76%, 60%, 100%
CMY	0.2431, 0.4000, 0.0001
CMYK	0.24, 0.40, 0.00, 0.00
HSL	264°, 100%, 80%
HSV	264°, 40%, 100%
XYZ	51.4341, 41.3399, 99.8630
YIQ	176.5880, -8.9020, 40.2020

Conversions

Conversions Part 2

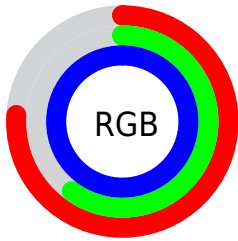
Format	Color
R_{YB}	193, 153, 255
Decimal	12687871
CIE _{Lab}	70.41, 34.98, -45.33
CIE _{LCh}	70, 57.255, 307.656
Yxy	41.3399, 0.2670, 0.2146
Android (android.graphics.Color)	4290877951 (0xFFC199FF)
YUV	176.5880, 38.6571, 14.3933
Hunter-Lab	64.2961, 30.2740, -47.0804

Details

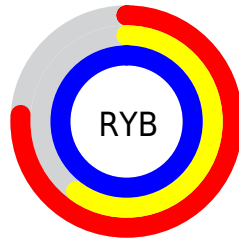
The Yxy color $41.3399, 0.2670, 0.2146$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $88.2530, 0.3454, 0.4385$, and the grayscale version is $43.5383, 0.3127, 0.3290$.

A 20% lighter version of the original color is $72.8410, 0.3120, 0.2827$, and $18.7029, 0.2527, 0.1878$ is the 20% darker color. If you saturate the color by 10%, you get $31.9366, 0.2521, 0.1832$, and if you desaturate by 10%, it is $52.7430, 0.2807, 0.2458$.

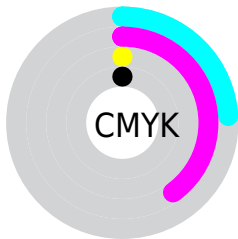
Distribution



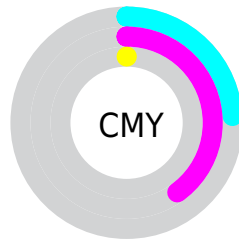
- Red (76%)
- Green (60%)
- Blue (100%)



- Red (76%)
- Yellow (60%)
- Blue (100%)



- Cyan (24%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (24%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.3399, 0.2670, 0.2146 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 41.3399, 0.2670, 0.2146 by changing the saturation by 10% instead.

 41.3399, 0.2670,
0.2146

 41.3399, 0.2670,
0.2146


351.7392, 0.2909,
0.2674

 28.5848, 0.2610,
0.2028


 77.1996, 0.2758,
0.2327

 18.7669, 0.2532,
0.1885


 101.0730, 0.2791,
0.2399

 11.5020, 0.2430,
0.1708


129.4212, 0.2818,
0.2460

 6.4055, 0.2291,
0.1487

162.6287, 0.2842,
0.2514

 3.0932, 0.2095,
0.1205

201.0799, 0.2862,
0.2561

 1.1806, 0.1803,
0.0849

245.1591, 0.2880,

 0.0458, 0.1409,

0.2603

0.0072

295.2507, 0.2895,
0.2641

0.0000, 0.0000,
0.0000

41.3399, 0.2670,
0.2146

41.3399, 0.2670,
0.2146

31.9366, 0.2521,
0.1832

52.7430, 0.2807,
0.2458

24.4070, 0.2365,
0.1531

66.2518, 0.2929,
0.2757

18.6181, 0.2208,
0.1260

81.9704, 0.3035,
0.3036

14.4160, 0.2059,
0.1038

99.9944, 0.3127,
0.3290

11.6184, 0.1926,
0.0876

99.9990, 0.3127,
0.3290

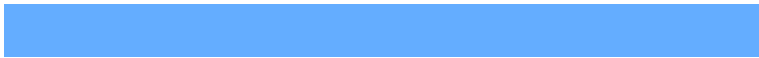
■ 9.9317, 0.1814,
0.0773

■ 9.9311, 0.1814,
0.0773

Harmonies

Analogous

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



41.3399, 0.2071, 0.2050



41.3399, 0.2670, 0.2146



41.3399, 0.3492, 0.2466

Triad

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



41.3399, 0.2670, 0.2146



41.3399, 0.4660, 0.4135



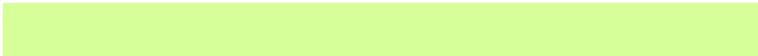
41.3399, 0.2036, 0.3517

Complementary

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



41.3399, 0.2670, 0.2146



88.2530, 0.3454, 0.4385

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.



41.3399, 0.2634, 0.4390



41.3399, 0.2670, 0.2146



41.3399, 0.4151, 0.4648

Square

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



41.3399, 0.2670, 0.2146



41.3399, 0.4741, 0.3534



41.3399, 0.3410, 0.4822



41.3399, 0.1743, 0.2707

Rectangle

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



41.3399, 0.2670, 0.2146



41.3399, 0.4053, 0.2778



41.3399, 0.3410, 0.4822



41.3399, 0.2204, 0.3825

Sweetspot

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



41.3415, 0.2670, 0.2146



78.6491, 0.3015, 0.2982



63.0475, 0.2503, 0.2832



16.3798, 0.3002, 0.2946



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.



41.3415, 0.2670, 0.2146



33.6643, 0.2552, 0.1894



49.0721, 0.3075, 0.2271



17.7253, 0.3040, 0.3049



5.2701, 0.1830, 0.0782



0.5742, 0.1955, 0.0851

Inverse Universe

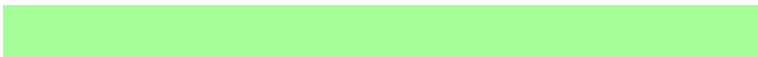
The Inverse Universe completely reimagines the original color for something new.



48.9448, 0.3524, 0.2658



42.4295, 0.3637, 0.2537



81.7990, 0.3137, 0.4501



18.1725, 0.3199, 0.3147



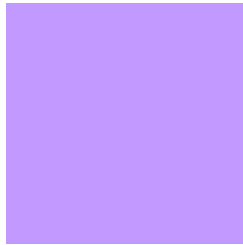
12.3746, 0.4513, 0.2260



1.2264, 0.4323, 0.2155

Previews

White Background



This preview shows how the Yxy color 41.3399, 0.2670, 0.2146 looks on a white background.

Color Contrast Check

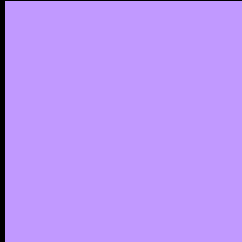
Large Text (above 18pt) WCAG AA × Fail

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 41.3399, 0.2670, 0.2146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

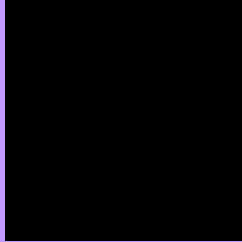
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.3399, 0.2670, 0.2146

Background



This preview shows how black text looks on a background with the Yxy color 41.3399, 0.2670, 0.2146.



This preview shows how white text looks on a background with the Yxy color 41.3399, 0.2670, 0.2146.

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

41.3399, 0.2670, 0.2146

Protanopia

41.8091, 0.2353, 0.2249

Deuteranopia

41.6663, 0.2357, 0.2296



Tritanopia

41.4566, 0.3117, 0.3117

Trichromacy



Original Color

41.3399, 0.2670, 0.2146

Protanomaly

41.3480, 0.2454, 0.2205

Deuteranomaly

40.9501, 0.2457, 0.2229

Tritanomaly

41.1121, 0.2942, 0.2711

Monochromacy



Original Color

41.3399, 0.2670, 0.2146

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

42.4803, 0.2957, 0.2820

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.3399, 0.2670, 0.2146 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(193, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(193, 153, 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(193, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 153, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.3399, 0.2670, 0.2146 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(193, 153, 255) }
```

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

```
.border{ border-color:rgb(193, 153, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(193, 153,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.3399, 0.2670, 0.2146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 153, 255) }
```

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

```
.background{ background-color: rgb(193,  
153, 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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