

Converting Colors

$Y_{xy}(32.8077, 0.2450, 0.1884)$

Have a look what the booklet for
Yxy(32.8077, 0.2450, 0.1884)
contains.

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Color

Yxy(32.7634, 0.2450, 0.1882)

Conversions

Conversions Part 1

Format	Color
Hex	A787FF
RGB	167, 135, 255
RGB Percent	65%, 53%, 100%
CMY	0.3450, 0.4706, 0.0000
CMYK	0.34, 0.47, 0.00, 0.00
HSL	256°, 100%, 76%
HSV	256°, 47%, 100%
XYZ	42.6516, 32.7634, 98.6732
YIQ	158.2480, -19.4480, 44.1040

Conversions

Conversions Part 2

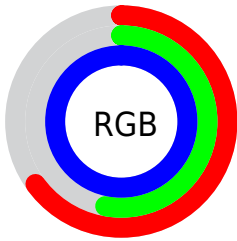
Format	Color
RYB	167, 135, 255
Decimal	10979327
CIELab	63.97, 38.10, -55.67
CIELCh	64, 67.458, 304.392
Yxy	32.7634, 0.2450, 0.1882
Android (android.graphics.Color)	4289169407 (0xFFA787FF)
YUV	158.2480, 47.6987, 7.6755
Hunter-Lab	57.2393, 32.8396, -62.1408

Details

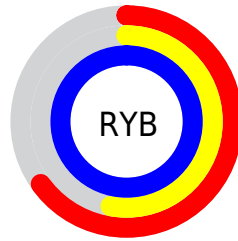
The Yxy color **32.7634, 0.2450, 0.1882** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **88.9440, 0.3602, 0.4541**, and the grayscale version is **34.0982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6227, 0.2933, 0.2598**, and **13.7329, 0.2235, 0.1551** is the 20% darker color. If you saturate the color by 10%, you get **24.5900, 0.2270, 0.1557**, and if you desaturate by 10%, it is **42.9371, 0.2623, 0.2213**.

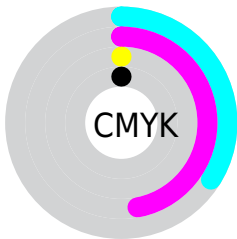
Distribution



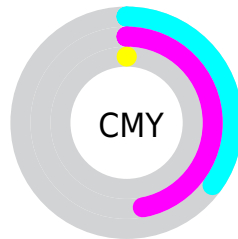
- Red (65%)
- Green (53%)
- Blue (100%)



- Red (65%)
- Yellow (53%)
- Blue (100%)



- Cyan (34%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)




- Cyan (35%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.7634, 0.2450, 0.1882 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 32.7634, 0.2450, 0.1882 by changing the saturation by 10% instead.


 32.7634, 0.2450,
0.1882


 32.7634, 0.2450,
0.1882


314.5823, 0.2808,
0.2537


 21.9453, 0.2359,
0.1737


 64.0060, 0.2582,
0.2107

 13.8167, 0.2243,
0.1563


 85.1992, 0.2631,
0.2195

 7.9933, 0.2092,
0.1350


 110.6195, 0.2672,
0.2272

 4.0906, 0.1889,
0.1091

140.6514, 0.2708,
0.2338

 1.7244, 0.1609,
0.0780

175.6792, 0.2738,
0.2397

 0.4394, 0.1229,
0.0371

216.0874, 0.2764,

 0.0000, 0.0532,

0.2449


0.0000


262.2603, 0.2787,
0.2496

 0.0000, 0.0000,
0.0000

 32.7634, 0.2450,
0.1882


 32.7634, 0.2450,
0.1882


 24.5900, 0.2270,
0.1557


 42.9371, 0.2623,
0.2213


 18.2770, 0.2092,
0.1259


 55.2306, 0.2782,
0.2535

 13.6719, 0.1926,
0.1008

 69.7582, 0.2924,
0.2836

 10.5953, 0.1785,
0.0821

 86.6250, 0.3049,
0.3112

 8.8204, 0.1674,
0.0706

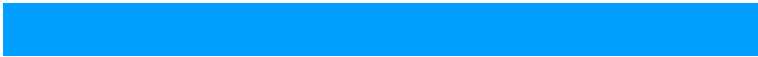
99.9992, 0.3127,
0.3290

■ 8.4501, 0.1648,
0.0681

Harmonies

Analogous

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



32.7634, 0.1781, 0.1792



32.7634, 0.2450, 0.1882



32.7634, 0.3452, 0.2230

Triad

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



32.7634, 0.2450, 0.1882



32.7634, 0.5047, 0.4162



32.7634, 0.1828, 0.3688

Complementary

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



32.7634, 0.2450, 0.1882



88.9440, 0.3602, 0.4541

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.



32.7634, 0.2571, 0.4843



32.7634, 0.2450, 0.1882



32.7634, 0.4421, 0.4867

Square

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



32.7634, 0.2450, 0.1882



32.7634, 0.5132, 0.3446



32.7634, 0.3521, 0.5264



32.7634, 0.1465, 0.2615

Rectangle

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



32.7634, 0.2450, 0.1882



32.7634, 0.4185, 0.2582



32.7634, 0.3521, 0.5264



32.7634, 0.2037, 0.4105

Sweetspot

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



32.7646, 0.2450, 0.1882



74.6695, 0.2964, 0.2923



65.1405, 0.2431, 0.2910



15.2366, 0.2936, 0.2862



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.



32.7646, 0.2450, 0.1882



25.3662, 0.2289, 0.1591



40.8760, 0.2939, 0.2057



17.6122, 0.3020, 0.3047



4.4775, 0.1661, 0.0689



0.4866, 0.1773, 0.0751

Inverse Universe

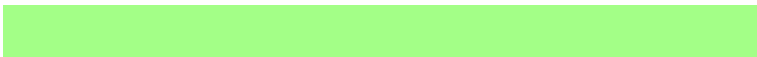
The Inverse Universe completely reimagines the original color for something new.



43.9110, 0.3472, 0.2412



37.8964, 0.3562, 0.2266



81.0478, 0.3212, 0.4714



18.2127, 0.3179, 0.3117



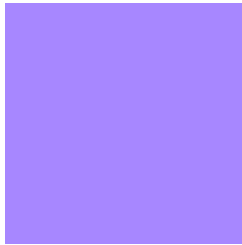
13.0084, 0.4026, 0.1991



1.2847, 0.3911, 0.1928

Previews

White Background



This preview shows how the Yxy color 32.7634, 0.2450, 0.1882 looks on a white background.

Color Contrast Check

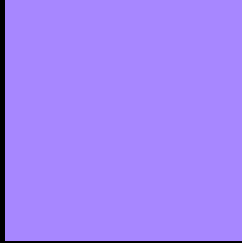
Large Text (above 18pt) WCAG AA × Fail

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 32.7634, 0.2450, 0.1882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

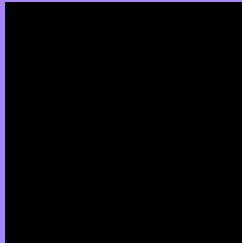
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.7634, 0.2450, 0.1882

Background



This preview shows how black text looks on a background with the Yxy color 32.7634, 0.2450, 0.1882.



This preview shows how white text looks on a background with the Yxy color 32.7634, 0.2450, 0.1882.

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

32.7634, 0.2450, 0.1882

Protanopia

33.1212, 0.2138, 0.1969

Deuteranopia

33.0044, 0.2096, 0.2025



Tritanopia

32.6594, 0.2954, 0.3094

Trichromacy



Original Color

32.7634, 0.2450, 0.1882

Protanomaly

32.6833, 0.2233, 0.1929

Deuteranomaly

32.4190, 0.2199, 0.1963

Tritanomaly

32.4179, 0.2751, 0.2568

Monochromacy



Original Color

32.7634, 0.2450, 0.1882

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

33.2400, 0.2853, 0.2692

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7634, 0.2450, 0.1882 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(167, 135, 255)` looks like.

```
.text, #text, p{  
    color:rgb(167, 135, 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(167, 135, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 135, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.7634, 0.2450, 0.1882 is called "border". The border property can be set on classes, ids or directly on the HTML element.

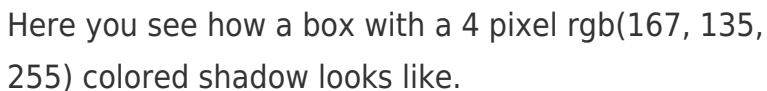
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 135, 255) }
```

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

```
.border{ border-color:rgb(167, 135, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 135, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 135, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 135, 255); box-shadow:4px 4px 4px 4px rgb(167, 135, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7634, 0.2450, 0.1882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 135, 255) }
```

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

```
.background{ background-color: rgb(167,  
135, 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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