

Converting Colors

$Y_{xy}(32.4821, 0.2549, 0.1847)$

Have a look what the booklet for
Yxy(32.4821, 0.2549, 0.1847)
contains.

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Color

Yxy(32.4821, 0.2549, 0.1847)

Conversions

Conversions Part 1

Format	Color
Hex	B580FF
RGB	181, 128, 255
RGB Percent	71%, 50%, 100%
CMY	0.2903, 0.4980, 0.0000
CMYK	0.29, 0.50, 0.00, 0.00
HSL	265°, 100%, 75%
HSV	265°, 50%, 100%
XYZ	44.8278, 32.4821, 98.5542
YIQ	158.3250, -9.1790, 50.7330

Conversions

Conversions Part 2

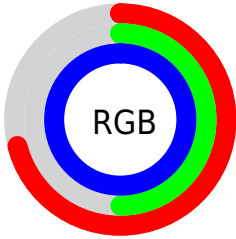
Format	Color
R _Y B	181, 128, 255
Decimal	11895039
CIE Lab	63.74, 45.50, -55.98
CIE LCh	64, 72.139, 309.100
Yxy	32.4821, 0.2549, 0.1847
Android (android.graphics.Color)	4290085119 (0xFFB580FF)
YUV	158.3250, 47.6608, 19.8860
Hunter-Lab	56.9931, 40.6609, -62.6310

Details

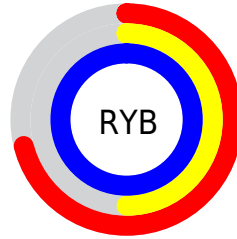
The Yxy color **32.4821, 0.2549, 0.1847** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **85.6375, 0.3494, 0.4674**, and the grayscale version is **34.1273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.0266, 0.3037, 0.2548**, and **13.6701, 0.2357, 0.1523** is the 20% darker color. If you saturate the color by 10%, you get **24.9416, 0.2399, 0.1550**, and if you desaturate by 10%, it is **41.8817, 0.2692, 0.2158**.

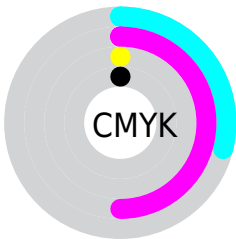
Distribution



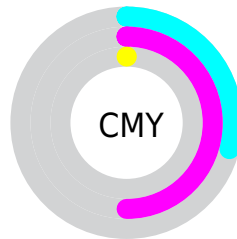
- Red (71%)
- Green (50%)
- Blue (100%)



- Red (71%)
- Yellow (50%)
- Blue (100%)



- Cyan (29%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)




- Cyan (29%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.4821, 0.2549, 0.1847 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 32.4821, 0.2549, 0.1847 by changing the saturation by 10% instead.


 32.4821, 0.2549,
0.1847

 32.4821, 0.2549,
0.1847


313.3096, 0.2862,
0.2513


 21.7300, 0.2468,
0.1701


 63.5661, 0.2666,
0.2074

 13.6586, 0.2363,
0.1526


 84.6668, 0.2709,
0.2164

 7.8836, 0.2225,
0.1314


 109.9858, 0.2745,
0.2242

 4.0206, 0.2037,
0.1057

139.9076, 0.2776,
0.2310

 1.6851, 0.1773,
0.0750

174.8164, 0.2802,
0.2369

 0.4140, 0.1407,
0.0344

215.0968, 0.2825,

 0.0000, 0.0793,


0.2423


0.0000

261.1330, 0.2845,
0.2470


 0.0000, 0.0000,
0.0000


 32.4821, 0.2549,
0.1847


 32.4821, 0.2549,
0.1847

 24.9416, 0.2399,
0.1550

 41.8817, 0.2692,
0.2158

 19.1321, 0.2247,
0.1282


 53.2661, 0.2823,
0.2467

 14.8993, 0.2101,
0.1062

 66.7432, 0.2940,
0.2764

 12.0626, 0.1969,
0.0900

 82.4147, 0.3041,
0.3041

 10.3365, 0.1856,
0.0797

100.0000, 0.3127,
0.3290

■ 10.3077, 0.1854,
0.0795

Harmonies

Analogous

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



32.4821, 0.1790, 0.1707



32.4821, 0.2549, 0.1847



32.4821, 0.3656, 0.2248

Triad

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



32.4821, 0.2549, 0.1847



32.4821, 0.5078, 0.4302



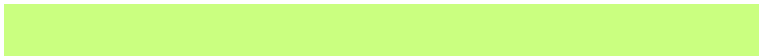
32.4821, 0.1658, 0.3501

Complementary

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



32.4821, 0.2549, 0.1847



85.6375, 0.3494, 0.4674

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.



32.4821, 0.2376, 0.4811



32.4821, 0.2549, 0.1847



32.4821, 0.4336, 0.5049

Square

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



32.4821, 0.2549, 0.1847



32.4821, 0.5299, 0.3545



32.4821, 0.3360, 0.5412



32.4821, 0.1352, 0.2425

Rectangle

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



32.4821, 0.2549, 0.1847



32.4821, 0.4430, 0.2632



32.4821, 0.3360, 0.5412



32.4821, 0.1853, 0.3951

Sweetspot

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



32.4803, 0.2549, 0.1847



73.9914, 0.2990, 0.2900



54.0896, 0.2349, 0.2642



15.1429, 0.2969, 0.2841



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.



32.4803, 0.2549, 0.1847



24.8113, 0.2396, 0.1544



41.9663, 0.3091, 0.2051



17.7479, 0.3044, 0.3049



5.4688, 0.1871, 0.0804



0.5949, 0.1996, 0.0873

Inverse Universe

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



40.9636, 0.3698, 0.2541



34.5318, 0.3873, 0.2413



78.5318, 0.3107, 0.4857



18.1647, 0.3202, 0.3152



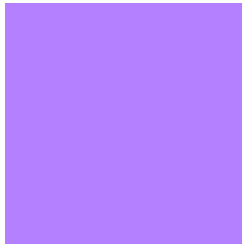
12.2667, 0.4615, 0.2316



1.2162, 0.4410, 0.2203

Previews

White Background



This preview shows how the Yxy color 32.4821, 0.2549, 0.1847 looks on a white background.

Color Contrast Check

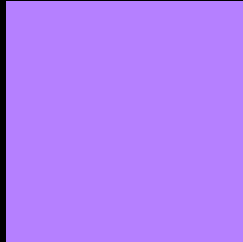
Large Text (above 18pt) WCAG AA × Fail

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 32.4821, 0.2549, 0.1847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

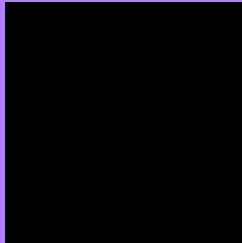
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.4821, 0.2549, 0.1847

Background



This preview shows how black text looks on a background with the Yxy color 32.4821, 0.2549, 0.1847.

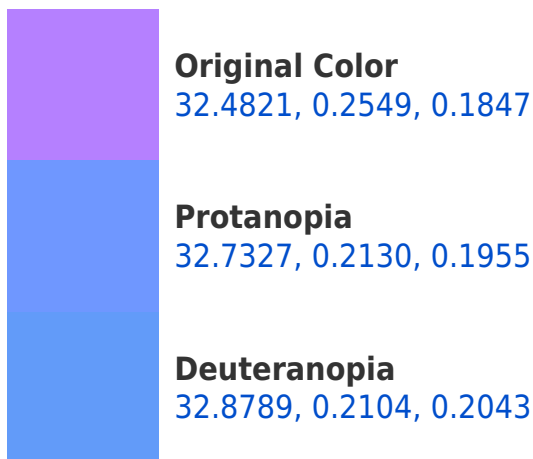


This preview shows how white text looks on a background with the Yxy color 32.4821, 0.2549, 0.1847.

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





Tritanopia

32.2079, 0.3145, 0.3114

Trichromacy



Original Color

32.4821, 0.2549, 0.1847

Protanomaly

32.0992, 0.2251, 0.1900

Deuteranomaly

31.8050, 0.2226, 0.1943

Tritanomaly

31.8776, 0.2907, 0.2559

Monochromacy



Original Color

32.4821, 0.2549, 0.1847

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

32.8247, 0.2897, 0.2658

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4821, 0.2549, 0.1847 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(181, 128, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 128, 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(181, 128, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 128, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.4821, 0.2549, 0.1847 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(181, 128, 255) }
```

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

```
.border{ border-color:rgb(181, 128, 255) }
```

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

Here you see how a box with a 4 pixel rgb(181, 128, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 128, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 128, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 128,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4821, 0.2549, 0.1847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 128, 255) }
```

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

```
.background{ background-color: rgb(181,  
128, 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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