

Converting Colors

$Y_{xy}(32.5729, 0.2428, 0.1811)$

Have a look what the booklet for
Yxy(32.5729, 0.2428, 0.1811)
contains.

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Color

Yxy(32.1575, 0.2461, 0.1855)

Conversions

Conversions Part 1

Format	Color
Hex	A984FF
RGB	169, 132, 255
RGB Percent	66%, 52%, 100%
CMY	0.3371, 0.4824, 0.0001
CMYK	0.34, 0.48, 0.00, 0.00
HSL	258°, 100%, 76%
HSV	258°, 48%, 100%
XYZ	42.6629, 32.1575, 98.5354
YIQ	157.0850, -17.4310, 46.0970

Conversions

Conversions Part 2

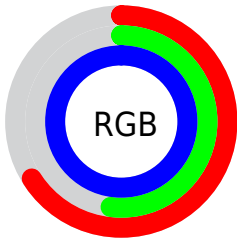
Format	Color
R_{YB}	169, 132, 255
Decimal	11109631
CIE _{Lab}	63.47, 40.28, -56.43
CIE _{LCh}	63, 69.329, 305.516
Yxy	32.1575, 0.2461, 0.1855
Android (android.graphics.Color)	4289299711 (0xFFA984FF)
YUV	157.0850, 48.2721, 10.4495
Hunter-Lab	56.7076, 35.0528, -63.3273

Details

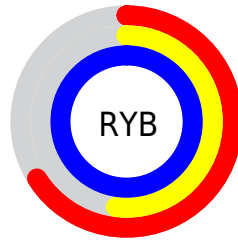
The Yxy color **32.1575, 0.2461, 0.1855** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **88.0586, 0.3582, 0.4585**, and the grayscale version is **33.5441, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6687, 0.2947, 0.2569**, and **13.4068, 0.2247, 0.1520** is the 20% darker color. If you saturate the color by 10%, you get **24.2295, 0.2287, 0.1537**, and if you desaturate by 10%, it is **42.0458, 0.2628, 0.2182**.

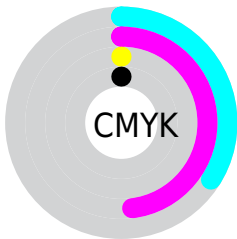
Distribution



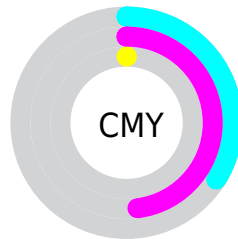
- Red (66%)
- Green (52%)
- Blue (100%)



- Red (66%)
- Yellow (52%)
- Blue (100%)



- Cyan (34%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)





- Cyan (34%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.1575, 0.2461, 0.1855 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 32.1575, 0.2461, 0.1855 by changing the saturation by 10% instead.

 32.1575, 0.2461,
0.1855


 32.1575, 0.2461,
0.1855


311.8361, 0.2815,
0.2522


 21.4818, 0.2371,
0.1708


 63.0579, 0.2592,
0.2083

 13.4767, 0.2255,
0.1531


 84.0515, 0.2641,
0.2173

 7.7576, 0.2104,
0.1317


 109.2531, 0.2682,
0.2251

 3.9402, 0.1900,
0.1057

139.0471, 0.2717,
0.2319

 1.6402, 0.1620,
0.0746

173.8181, 0.2746,
0.2379

 0.3845, 0.1239,
0.0327

213.9503, 0.2772,


 0.0000, 0.0535,


0.2432


0.0000


259.8282, 0.2795,
0.2479


 0.0000, 0.0000,
0.0000


 32.1575, 0.2461,
0.1855


 32.1575, 0.2461,
0.1855


 24.2295, 0.2287,
0.1537


 42.0458, 0.2628,
0.2182

 18.1223, 0.2114,
0.1247


 54.0137, 0.2782,
0.2502

 13.6828, 0.1953,
0.1005

 68.1750, 0.2920,
0.2804

 10.7301, 0.1814,
0.0828

 84.6340, 0.3040,
0.3082

 9.0185, 0.1703,
0.0718

99.9977, 0.3127,
0.3290

■ 8.7863, 0.1686,
0.0703

Harmonies

Analogous

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



32.1575, 0.1764, 0.1752



32.1575, 0.2461, 0.1855



32.1575, 0.3503, 0.2219

Triad

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



32.1575, 0.2461, 0.1855



32.1575, 0.5082, 0.4199



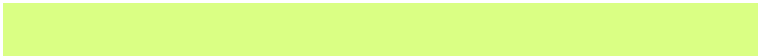
32.1575, 0.1767, 0.3650

Complementary

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



32.1575, 0.2461, 0.1855



88.0586, 0.3582, 0.4585

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.



32.1575, 0.2513, 0.4870



32.1575, 0.2461, 0.1855



32.1575, 0.4416, 0.4928

Square

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



32.1575, 0.2461, 0.1855



32.1575, 0.5205, 0.3466



32.1575, 0.3484, 0.5334



32.1575, 0.1416, 0.2556

Rectangle

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



32.1575, 0.2461, 0.1855



32.1575, 0.4260, 0.2582



32.1575, 0.3484, 0.5334



32.1575, 0.1975, 0.4085

Sweetspot

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



32.1587, 0.2461, 0.1855



74.8711, 0.2973, 0.2924



62.3051, 0.2407, 0.2848



15.2853, 0.2946, 0.2863



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.



32.1587, 0.2461, 0.1855



24.3968, 0.2291, 0.1544



40.6049, 0.2968, 0.2041



17.6429, 0.3026, 0.3048



4.6600, 0.1701, 0.0711



0.5078, 0.1819, 0.0776

Inverse Universe

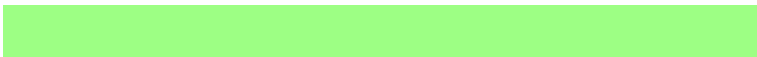
The Inverse Universe completely reimagines the original color for something new.



42.8145, 0.3526, 0.2430



36.4724, 0.3639, 0.2281



80.2904, 0.3189, 0.4764



18.2017, 0.3184, 0.3125



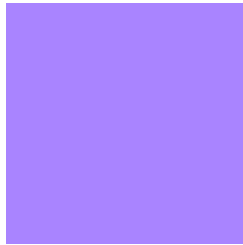
12.8205, 0.4153, 0.2061



1.2677, 0.4019, 0.1988

Previews

White Background



This preview shows how the Yxy color 32.1575, 0.2461, 0.1855 looks on a white background.

Color Contrast Check

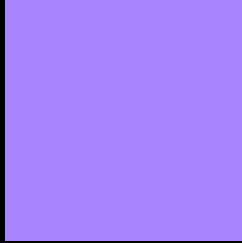
Large Text (above 18pt) WCAG AA × Fail

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 32.1575, 0.2461, 0.1855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

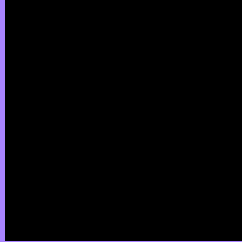
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.1575, 0.2461, 0.1855

Background



This preview shows how black text looks on a background with the Yxy color 32.1575, 0.2461, 0.1855.



This preview shows how white text looks on a background with the Yxy color 32.1575, 0.2461, 0.1855.

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

32.1575, 0.2461, 0.1855

Protanopia

32.3477, 0.2123, 0.1940

Deuteranopia

32.3930, 0.2079, 0.2015



Tritanopia

31.9831, 0.2990, 0.3108

Trichromacy



Original Color

32.1575, 0.2461, 0.1855

Protanomaly

31.6902, 0.2220, 0.1890

Deuteranomaly

31.6510, 0.2183, 0.1933

Tritanomaly

31.4961, 0.2773, 0.2552

Monochromacy



Original Color

32.1575, 0.2461, 0.1855

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

32.6071, 0.2852, 0.2663

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1575, 0.2461, 0.1855 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, 132, 255)` looks like.

```
.text, #text, p{  
    color:rgb(169, 132, 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, 132, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 132, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.1575, 0.2461, 0.1855 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, 132, 255) }
```

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

```
.border{ border-color:rgb(169, 132, 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, 132, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 132, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 132, 255);  
box-shadow:4px 4px 4px 4px rgb(169, 132,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.1575, 0.2461, 0.1855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 132, 255) }
```

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

```
.background{ background-color: rgb(169,  
132, 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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