

Converting Colors

$Y_{xy}(31.9429, 0.2445, 0.1849)$

Have a look what the booklet for
Yxy(31.9429, 0.2445, 0.1849)
contains.

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Color

Yxy(31.9380, 0.2445, 0.1849)

Conversions

Conversions Part 1

Format	Color
Hex	A784FF
RGB	167, 132, 255
RGB Percent	65%, 52%, 100%
CMY	0.3453, 0.4823, 0.0000
CMYK	0.35, 0.48, 0.00, 0.00
HSL	257°, 100%, 76%
HSV	257°, 48%, 100%
XYZ	42.2328, 31.9380, 98.5604
YIQ	156.4870, -18.6230, 45.6730

Conversions

Conversions Part 2

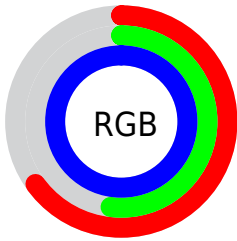
Format	Color
R_{YB}	167, 132, 255
Decimal	10978559
CIE _{Lab}	63.29, 39.77, -56.76
CIE _{LCh}	63, 69.303, 305.016
Yxy	31.9380, 0.2445, 0.1849
Android (android.graphics.Color)	4289168639 (0xFFA784FF)
YUV	156.4870, 48.5669, 9.2199
Hunter-Lab	56.5137, 34.4943, -63.8427

Details

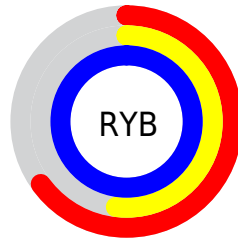
The Yxy color **31.9380, 0.2445, 0.1849** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **88.4109, 0.3597, 0.4578**, and the grayscale version is **33.2581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3454, 0.2932, 0.2566**, and **13.4268, 0.2231, 0.1525** is the 20% darker color. If you saturate the color by 10%, you get **23.9967, 0.2268, 0.1529**, and if you desaturate by 10%, it is **41.8500, 0.2615, 0.2178**.

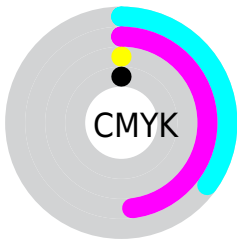
Distribution



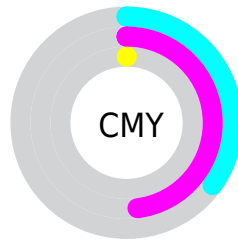
- Red (65%)
- Green (52%)
- Blue (100%)



- Red (65%)
- Yellow (52%)
- Blue (100%)



- Cyan (35%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)





- Cyan (35%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9380, 0.2445, 0.1849 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 31.9380, 0.2445, 0.1849 by changing the saturation by 10% instead.


 31.9380, 0.2445,
0.1849


 31.9380, 0.2445,
0.1849


310.8367, 0.2807,
0.2519


 21.3141, 0.2353,
0.1701


 62.7139, 0.2579,
0.2078

 13.3538, 0.2235,
0.1524


 83.6347, 0.2629,
0.2169

 7.6726, 0.2081,
0.1309


 108.7566, 0.2671,
0.2247

 3.8862, 0.1874,
0.1047

138.4641, 0.2706,
0.2315

 1.6101, 0.1590,
0.0736

173.1414, 0.2737,
0.2375

 0.3644, 0.1206,
0.0311

213.1730, 0.2763,


 0.0000, 0.0481,


0.2429


0.0000

258.9433, 0.2787,
0.2476


 0.0000, 0.0000,
0.0000


 31.9380, 0.2445,
0.1849

 31.9380, 0.2445,
0.1849


 23.9967, 0.2268,
0.1529


 41.8500, 0.2615,
0.2178


 17.8888, 0.2093,
0.1237


 53.8562, 0.2773,
0.2500

 13.4593, 0.1931,
0.0994

 68.0700, 0.2914,
0.2803

 10.5259, 0.1792,
0.0816

 84.5965, 0.3038,
0.3081

 8.8417, 0.1683,
0.0707

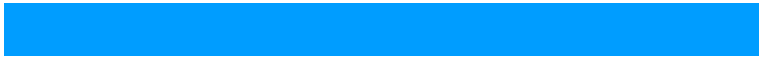
100.0000, 0.3127,
0.3290

■ 8.6152, 0.1667,
0.0692

Harmonies

Analogous

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



31.9380, 0.1754, 0.1750



31.9380, 0.2445, 0.1849



31.9380, 0.3484, 0.2210

Triad

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



31.9380, 0.2445, 0.1849



31.9380, 0.5093, 0.4187



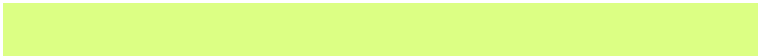
31.9380, 0.1774, 0.3672

Complementary

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



31.9380, 0.2445, 0.1849



88.4109, 0.3597, 0.4578

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.



31.9380, 0.2527, 0.4889



31.9380, 0.2445, 0.1849



31.9380, 0.4431, 0.4919

Square

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



31.9380, 0.2445, 0.1849



31.9380, 0.5205, 0.3454



31.9380, 0.3500, 0.5337



31.9380, 0.1416, 0.2568

Rectangle

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



31.9380, 0.2445, 0.1849



31.9380, 0.4244, 0.2571



31.9380, 0.3500, 0.5337



31.9380, 0.1984, 0.4108

Sweetspot

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



31.9381, 0.2445, 0.1849



74.7708, 0.2969, 0.2924



63.3945, 0.2411, 0.2873



15.2611, 0.2941, 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.



31.9381, 0.2445, 0.1849



24.1574, 0.2272, 0.1536



40.2788, 0.2950, 0.2034



17.6276, 0.3023, 0.3047



4.5663, 0.1681, 0.0700



0.4970, 0.1796, 0.0763

Inverse Universe

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



42.9373, 0.3505, 0.2411



36.5992, 0.3611, 0.2259



80.5229, 0.3201, 0.4759



18.2072, 0.3182, 0.3121



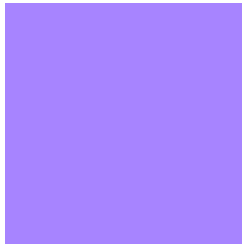
12.9124, 0.4089, 0.2026



1.2760, 0.3965, 0.1958

Previews

White Background



This preview shows how the Yxy color 31.9380, 0.2445, 0.1849 looks on a white background.

Color Contrast Check

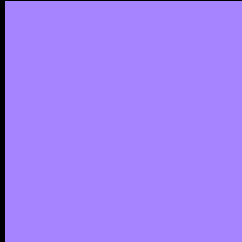
Large Text (above 18pt) WCAG AA × Fail

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 31.9380, 0.2445, 0.1849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

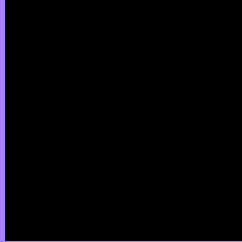
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9380, 0.2445, 0.1849

Background



This preview shows how black text looks on a background with the Yxy color 31.9380, 0.2445, 0.1849.



This preview shows how white text looks on a background with the Yxy color 31.9380, 0.2445, 0.1849.

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

31.9380, 0.2445, 0.1849

Protanopia

32.2839, 0.2118, 0.1939

Deuteranopia

32.3405, 0.2075, 0.2014



Tritanopia

31.7950, 0.2971, 0.3107

Trichromacy



Original Color

31.9380, 0.2445, 0.1849

Protanomaly

31.6107, 0.2214, 0.1888

Deuteranomaly

31.5791, 0.2177, 0.1932

Tritanomaly

31.2966, 0.2755, 0.2548

Monochromacy



Original Color

31.9380, 0.2445, 0.1849

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.1468, 0.2850, 0.2660

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9380, 0.2445, 0.1849 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, 132, 255)` looks like.

```
.text, #text, p{  
    color:rgb(167, 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(167, 132, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 132, 255) }
```

Border

The CSS property to change the border of an element to Yxy 31.9380, 0.2445, 0.1849 is called "border". The border property can be set on classes, ids or directly on the HTML element.

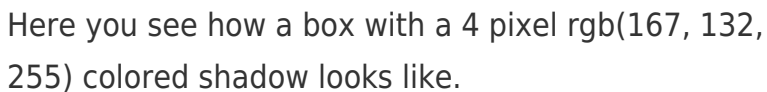
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 132, 255) }
```

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

```
.border{ border-color:rgb(167, 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(167, 132, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 132, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 132, 255); box-shadow:4px 4px 4px 4px rgb(167, 132, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9380, 0.2445, 0.1849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 132, 255) }
```

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

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