

Converting Colors

Yxy(31.6669, 0.2489, 0.1899)

Have a look what the booklet for
Yxy(31.6669, 0.2489, 0.1899)
contains.

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Color

Yxy(31.6669, 0.2489, 0.1899)

Conversions

Conversions Part 1

Format	Color
Hex	A884F9
RGB	168, 132, 249
RGB Percent	66%, 52%, 98%
CMY	0.3411, 0.4824, 0.0234
CMYK	0.33, 0.47, 0.00, 0.02
HSL	258°, 91%, 75%
HSV	258°, 47%, 98%
XYZ	41.5055, 31.6669, 93.5833
YIQ	156.1020, -16.1010, 44.0190

Conversions

Conversions Part 2

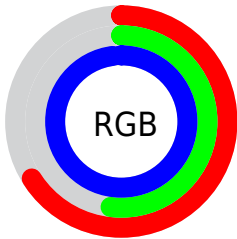
Format	Color
R _Y B	168, 132, 249
Decimal	11044089
CIE Lab	63.07, 38.53, -53.83
CIE LCh	63, 66.203, 305.594
Yxy	31.6669, 0.2489, 0.1899
Android (android.graphics.Color)	4289234169 (0xFFA884F9)
YUV	156.1020, 45.7987, 10.4345
Hunter-Lab	56.2734, 33.1777, -59.2087

Details

The Yxy color **31.6669, 0.2489, 0.1899** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **83.5940, 0.3567, 0.4553**, and the grayscale version is **33.0915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5066, 0.2939, 0.2568**, and **13.2851, 0.2290, 0.1583** is the 20% darker color. If you saturate the color by 10%, you get **23.9329, 0.2317, 0.1580**, and if you desaturate by 10%, it is **41.2660, 0.2653, 0.2224**.

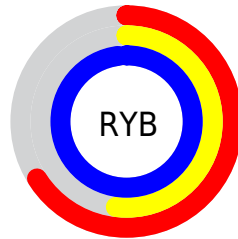
Distribution



Red (66%)

Green (52%)

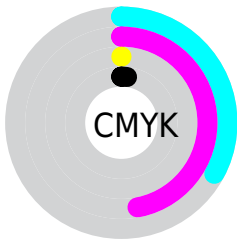
Blue (98%)



Red (66%)

Yellow (52%)

Blue (98%)

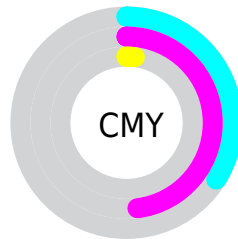


Cyan (33%)

Magenta (47%)

Yellow (0%)

Black (2%)



Cyan (34%)

Magenta (48%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6669, 0.2489, 0.1899 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 31.6669, 0.2489, 0.1899 by changing the saturation by 10% instead.


 31.6669, 0.2489,
0.1899


 31.6669, 0.2489,
0.1899


309.5991, 0.2830,
0.2551


 21.1072, 0.2401,
0.1753


 62.2885, 0.2616,
0.2124

 13.2024, 0.2288,
0.1577


 83.1192, 0.2663,
0.2212

 7.5681, 0.2139,
0.1362


 108.1424, 0.2702,
0.2288

 3.8198, 0.1937,
0.1098

137.7425, 0.2736,
0.2354

 1.5733, 0.1655,
0.0779

172.3037, 0.2764,
0.2413

 0.3395, 0.1268,
0.0322

212.2107, 0.2789,

 0.0000, 0.0442,

0.2464

0.0000

257.8477, 0.2811,
0.2510

0.0000, 0.0000,
0.0000

31.6669, 0.2489,
0.1899

31.6669, 0.2489,
0.1899

23.9329, 0.2317,
0.1580

41.2660, 0.2653,
0.2224

17.9341, 0.2145,
0.1287

52.8409, 0.2803,
0.2542

13.5290, 0.1982,
0.1039

66.4979, 0.2938,
0.2840

10.5510, 0.1840,
0.0852

82.3344, 0.3055,
0.3114

8.7898, 0.1725,
0.0734

99.4735, 0.3157,
0.3347

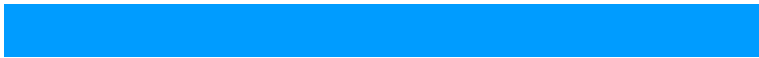
■ 8.4053, 0.1696,
0.0708

■ 99.6223, 0.3162,
0.3347

Harmonies

Analogous

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



31.6669, 0.1809, 0.1799



31.6669, 0.2489, 0.1899



31.6669, 0.3494, 0.2255

Triad

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



31.6669, 0.2489, 0.1899



31.6669, 0.5019, 0.4189



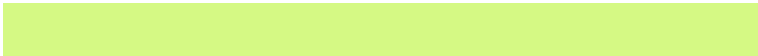
31.6669, 0.1814, 0.3637

Complementary

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



31.6669, 0.2489, 0.1899



83.5940, 0.3567, 0.4553

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.



31.6669, 0.2541, 0.4794



31.6669, 0.2489, 0.1899



31.6669, 0.4383, 0.4884

Square

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



31.6669, 0.2489, 0.1899



31.6669, 0.5128, 0.3475



31.6669, 0.3482, 0.5251



31.6669, 0.1468, 0.2587

Rectangle

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



31.6669, 0.2489, 0.1899



31.6669, 0.4219, 0.2610



31.6669, 0.3482, 0.5251



31.6669, 0.2017, 0.4049

Sweetspot

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



31.6681, 0.2489, 0.1899



74.9102, 0.2974, 0.2925



59.8037, 0.2424, 0.2862



15.2947, 0.2948, 0.2864



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.



31.6681, 0.2489, 0.1899



25.9350, 0.2333, 0.1609



39.4515, 0.2974, 0.2073



16.9020, 0.3027, 0.3048



4.5628, 0.1710, 0.0716



0.4759, 0.1835, 0.0785

Inverse Universe

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



41.4527, 0.3519, 0.2458



37.5984, 0.3626, 0.2317



76.4529, 0.3189, 0.4720



17.4283, 0.3185, 0.3127



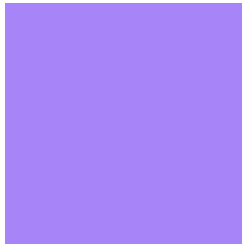
12.4091, 0.4177, 0.2075



1.1683, 0.4033, 0.1995

Previews

White Background



This preview shows how the Yxy color 31.6669, 0.2489, 0.1899 looks on a white background.

Color Contrast Check

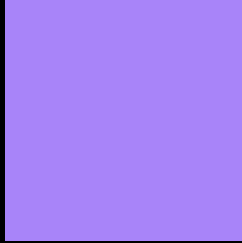
Large Text (above 18pt) WCAG AA × Fail

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 31.6669, 0.2489, 0.1899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

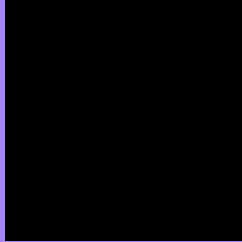
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.6669, 0.2489, 0.1899

Background



This preview shows how black text looks on a background with the Yxy color 31.6669, 0.2489, 0.1899.



This preview shows how white text looks on a background with the Yxy color 31.6669, 0.2489, 0.1899.

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

31.6669, 0.2489, 0.1899

Protanopia

31.9030, 0.2110, 0.1924

Deuteranopia

32.0277, 0.2118, 0.2055



Tritanopia

31.7161, 0.3008, 0.3108

Trichromacy



Original Color

31.6669, 0.2489, 0.1899

Protanomaly

31.4826, 0.2224, 0.1904

Deuteranomaly

31.1897, 0.2225, 0.1979

Tritanomaly

31.3590, 0.2797, 0.2589

Monochromacy



Original Color

31.6669, 0.2489, 0.1899

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.0587, 0.2867, 0.2685

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6669, 0.2489, 0.1899 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(168, 132, 249)` looks like.

```
.text, #text, p{  
    color:rgb(168, 132, 249)  
}
```

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(168, 132, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 132, 249) }
```

Border

The CSS property to change the border of an element to Yxy 31.6669, 0.2489, 0.1899 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(168, 132, 249) }
```

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

```
.border{ border-color:rgb(168, 132, 249) }
```

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

Here you see how a box with a 4 pixel rgb(168, 132, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 132, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 132, 249);  
box-shadow:4px 4px 4px 4px rgb(168, 132,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6669, 0.2489, 0.1899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 132, 249) }
```

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

```
.background{ background-color: rgb(168,  
132, 249) }
```

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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