

Converting Colors

Yxy(31.5618, 0.2495, 0.1822)

Have a look what the booklet for
Yxy(31.5618, 0.2495, 0.1822)
contains.

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Color

Yxy(31.6570, 0.2494, 0.1826)

Conversions

Conversions Part 1

Format	Color
Hex	AE80FF
RGB	174, 128, 255
RGB Percent	68%, 50%, 100%
CMY	0.3174, 0.4982, 0.0000
CMYK	0.32, 0.50, 0.00, 0.00
HSL	262°, 100%, 75%
HSV	262°, 50%, 100%
XYZ	43.2380, 31.6570, 98.4730
YIQ	156.2320, -13.3510, 49.2490

Conversions

Conversions Part 2

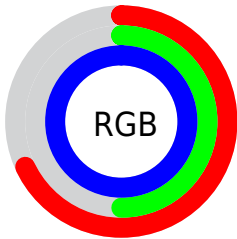
Format	Color
RYB	174, 128, 255
Decimal	11436287
CIELab	63.06, 43.77, -57.10
CIELCh	63, 71.952, 307.473
Yxy	31.6570, 0.2494, 0.1826
Android (android.graphics.Color)	4289626367 (0xFFAE80FF)
YUV	156.2320, 48.6926, 15.5825
Hunter-Lab	56.2646, 38.7101, -64.3829

Details

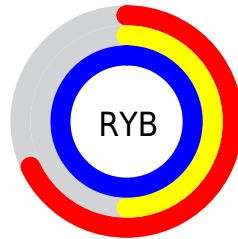
The Yxy color **31.6570, 0.2494, 0.1826** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **86.6212, 0.3541, 0.4652**, and the grayscale version is **33.1368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8317, 0.2984, 0.2536**, and **13.1669, 0.2287, 0.1492** is the 20% darker color. If you saturate the color by 10%, you get **24.0648, 0.2332, 0.1520**, and if you desaturate by 10%, it is **41.1431, 0.2650, 0.2145**.

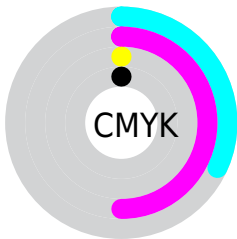
Distribution



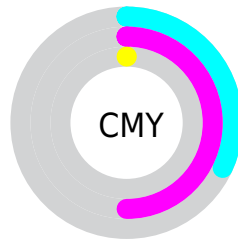
- Red (68%)
- Green (50%)
- Blue (100%)



- Red (68%)
- Yellow (50%)
- Blue (100%)



- Cyan (32%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)




- Cyan (32%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.6570, 0.2494, 0.1826 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 31.6570, 0.2494, 0.1826 by changing the saturation by 10% instead.


 31.6570, 0.2494,
0.1826

 31.6570, 0.2494,
0.1826


309.5538, 0.2834,
0.2503


 21.0996, 0.2406,
0.1677


 62.2730, 0.2621,
0.2057

 13.1969, 0.2294,
0.1499


 83.1004, 0.2668,
0.2149

 7.5642, 0.2146,
0.1284


 108.1200, 0.2707,
0.2228

 3.8174, 0.1946,
0.1023

137.7161, 0.2740,
0.2297

 1.5720, 0.1668,
0.0714

172.2731, 0.2769,
0.2358

 0.3386, 0.1290,
0.0288

212.1755, 0.2794,

 0.0000, 0.0607,

0.2412

0.0000

257.8076, 0.2815,
0.2460

0.0000, 0.0000,
0.0000

31.6570, 0.2494,
0.1826

31.6570, 0.2494,
0.1826

24.0648, 0.2332,
0.1520

41.1431, 0.2650,
0.2145

18.2351, 0.2170,
0.1245

52.6496, 0.2793,
0.2460

14.0119, 0.2017,
0.1018

66.2865, 0.2920,
0.2761

11.2122, 0.1882,
0.0853

82.1572, 0.3032,
0.3040

9.5472, 0.1771,
0.0750

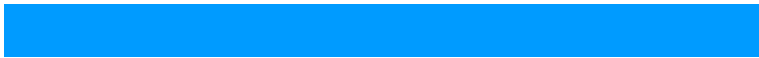
100.0000, 0.3127,
0.3290

■ 9.5214, 0.1769,
0.0748

Harmonies

Analogous

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



31.6570, 0.1753, 0.1701



31.6570, 0.2494, 0.1826



31.6570, 0.3593, 0.2215

Triad

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



31.6570, 0.2494, 0.1826



31.6570, 0.5115, 0.4261



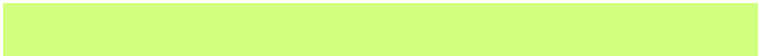
31.6570, 0.1679, 0.3573

Complementary

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



31.6570, 0.2494, 0.1826



86.6212, 0.3541, 0.4652

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.



31.6570, 0.2420, 0.4881



31.6570, 0.2494, 0.1826



31.6570, 0.4389, 0.5020

Square

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



31.6570, 0.2494, 0.1826



31.6570, 0.5302, 0.3505



31.6570, 0.3414, 0.5426



31.6570, 0.1351, 0.2464

Rectangle

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



31.6570, 0.2494, 0.1826



31.6570, 0.4379, 0.2594



31.6570, 0.3414, 0.5426



31.6570, 0.1882, 0.4030

Sweetspot

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



31.6556, 0.2494, 0.1826



73.6436, 0.2976, 0.2898



58.1672, 0.2370, 0.2750



15.0595, 0.2952, 0.2839



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.



31.6556, 0.2494, 0.1826



23.9415, 0.2329, 0.1515



40.4744, 0.3016, 0.2023



17.6984, 0.3036, 0.3048



5.0517, 0.1785, 0.0757



0.5510, 0.1909, 0.0825

Inverse Universe

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



41.2902, 0.3624, 0.2475



34.9094, 0.3773, 0.2337



79.2832, 0.3153, 0.4835



18.1820, 0.3194, 0.3140



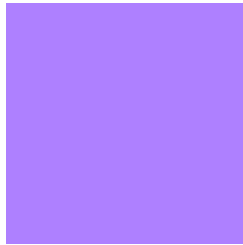
12.5108, 0.4393, 0.2194



1.2391, 0.4222, 0.2099

Previews

White Background



This preview shows how the Yxy color 31.6570, 0.2494, 0.1826 looks on a white background.

Color Contrast Check

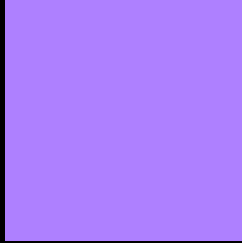
Large Text (above 18pt) WCAG AA × Fail

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 31.6570, 0.2494, 0.1826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

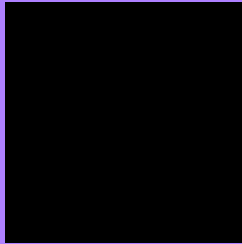
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.6570, 0.2494, 0.1826

Background



This preview shows how black text looks on a background with the Yxy color 31.6570, 0.2494, 0.1826.



This preview shows how white text looks on a background with the Yxy color 31.6570, 0.2494, 0.1826.

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

31.6570, 0.2494, 0.1826

Protanopia

31.9030, 0.2110, 0.1924

Deuteranopia

31.9599, 0.2068, 0.1999



Tritanopia

31.4892, 0.3075, 0.3110

Trichromacy



Original Color

31.6570, 0.2494, 0.1826

Protanomaly

31.1753, 0.2222, 0.1867

Deuteranomaly

31.1124, 0.2183, 0.1910

Tritanomaly

31.1181, 0.2842, 0.2545

Monochromacy



Original Color

31.6570, 0.2494, 0.1826

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.1501, 0.2877, 0.2651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6570, 0.2494, 0.1826 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(174, 128, 255)` looks like.

```
.text, #text, p{  
    color:rgb(174, 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(174, 128, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 128, 255) }
```

Border

The CSS property to change the border of an element to Yxy 31.6570, 0.2494, 0.1826 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(174, 128, 255) }
```

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

```
.border{ border-color:rgb(174, 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(174, 128, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 128, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 128, 255);  
box-shadow:4px 4px 4px 4px rgb(174, 128,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6570, 0.2494, 0.1826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 128, 255) }
```

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

```
.background{ background-color: rgb(174,  
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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