

Converting Colors

$Y_{xy}(32.0096, 0.2407, 0.1715)$

Have a look what the booklet for
Yxy(32.0096, 0.2407, 0.1715)
contains.

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Color

Yxy(31.2830, 0.2485, 0.1813)

Conversions

Conversions Part 1

Format	Color
Hex	AD7FFF
RGB	173, 127, 255
RGB Percent	68%, 50%, 100%
CMY	0.3214, 0.5020, 0.0000
CMYK	0.32, 0.50, 0.00, 0.00
HSL	262°, 100%, 75%
HSV	262°, 50%, 100%
XYZ	42.8782, 31.2830, 98.3870
YIQ	155.3460, -13.6720, 49.5600

Conversions

Conversions Part 2

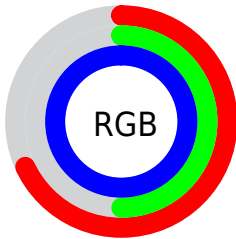
Format	Color
RYB	173, 127, 255
Decimal	11370495
CIELab	62.75, 44.05, -57.59
CIELCh	63, 72.504, 307.415
Yxy	31.2830, 0.2485, 0.1813
Android (android.graphics.Color)	4289560575 (0xFFAD7FFF)
YUV	155.3460, 49.1294, 15.4826
Hunter-Lab	55.9312, 38.9629, -65.1435

Details

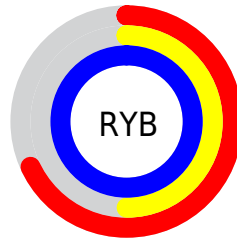
The Yxy color **31.2830, 0.2485, 0.1813** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **86.6006, 0.3545, 0.4661**, and the grayscale version is **32.7238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2567, 0.2976, 0.2524**, and **12.9131, 0.2282, 0.1483** is the 20% darker color. If you saturate the color by 10%, you get **23.7612, 0.2322, 0.1507**, and if you desaturate by 10%, it is **40.7007, 0.2641, 0.2132**.

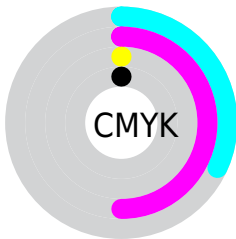
Distribution



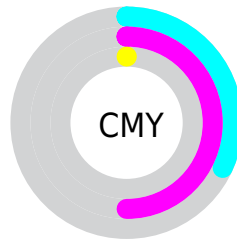
- Red (68%)
- Green (50%)
- Blue (100%)



- 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 31.2830, 0.2485, 0.1813 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 31.2830, 0.2485, 0.1813 by changing the saturation by 10% instead.


 31.2830, 0.2485,
0.1813


 31.2830, 0.2485,
0.1813


307.8400, 0.2831,
0.2496


 20.8144, 0.2396,
0.1663


 61.6854, 0.2614,
0.2046

 12.9884, 0.2282,
0.1484


 82.3879, 0.2661,
0.2138

 7.4206, 0.2131,
0.1267


 107.2707, 0.2701,
0.2218

 3.7265, 0.1928,
0.1005

136.7179, 0.2735,
0.2288

 1.5218, 0.1648,
0.0696

171.1140, 0.2764,
0.2350

 0.3040, 0.1268,
0.0260

210.8435, 0.2789,


 0.0000, 0.0564,


0.2404


0.0000

256.2907, 0.2811,
0.2453

 0.0000, 0.0000,
0.0000


 31.2830, 0.2485,
0.1813

 31.2830, 0.2485,
0.1813


 23.7612, 0.2322,
0.1507

 40.7007, 0.2641,
0.2132


 17.9958, 0.2159,
0.1233

 52.1338, 0.2786,
0.2447


 13.8322, 0.2007,
0.1008

 65.6954, 0.2915,
0.2749

 11.0857, 0.1873,
0.0846

 81.4893, 0.3028,
0.3030

 9.4812, 0.1764,
0.0746

 99.6121, 0.3125,
0.3285

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



31.2830, 0.1740, 0.1687



31.2830, 0.2485, 0.1813



31.2830, 0.3595, 0.2204

Triad

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



31.2830, 0.2485, 0.1813



31.2830, 0.5133, 0.4263



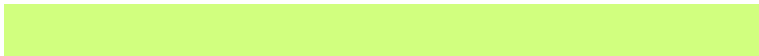
31.2830, 0.1665, 0.3578

Complementary

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



31.2830, 0.2485, 0.1813



86.6006, 0.3545, 0.4661

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.



31.2830, 0.2412, 0.4905



31.2830, 0.2485, 0.1813



31.2830, 0.4398, 0.5032

Square

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



31.2830, 0.2485, 0.1813



31.2830, 0.5324, 0.3501



31.2830, 0.3415, 0.5452



31.2830, 0.1336, 0.2455

Rectangle

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



31.2830, 0.2485, 0.1813



31.2830, 0.4391, 0.2586



31.2830, 0.3415, 0.5452



31.2830, 0.1869, 0.4041

Sweetspot

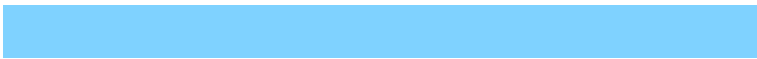
The Sweet Spot groups the original color and five complimentary colors.



31.2840, 0.2485, 0.1813



73.6242, 0.2976, 0.2898



57.9212, 0.2365, 0.2745



15.0549, 0.2951, 0.2838



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.



31.2840, 0.2485, 0.1813



23.8943, 0.2325, 0.1513



40.1942, 0.3015, 0.2014



17.6957, 0.3035, 0.3048



5.0303, 0.1780, 0.0754



0.5487, 0.1904, 0.0822

Inverse Universe

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



41.0370, 0.3626, 0.2466



34.9312, 0.3767, 0.2333



79.1805, 0.3152, 0.4849



18.1829, 0.3194, 0.3139



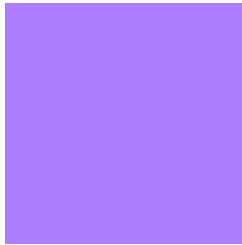
12.5253, 0.4381, 0.2187



1.2405, 0.4211, 0.2094

Previews

White Background



This preview shows how the Yxy color 31.2830, 0.2485, 0.1813 looks on a white background.

Color Contrast Check

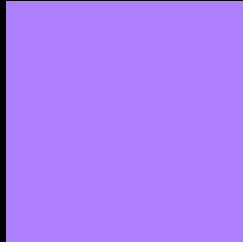
Large Text (above 18pt) WCAG AA × Fail

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 31.2830, 0.2485, 0.1813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

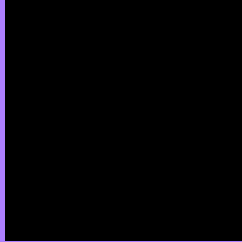
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2830, 0.2485, 0.1813

Background



This preview shows how black text looks on a background with the Yxy color 31.2830, 0.2485, 0.1813.

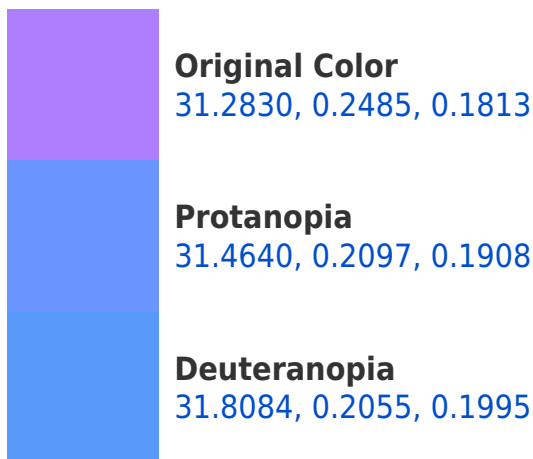


This preview shows how white text looks on a background with the Yxy color 31.2830, 0.2485, 0.1813.

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

31.2559, 0.3065, 0.3124

Trichromacy



Original Color

31.2830, 0.2485, 0.1813



Protanomaly

30.7220, 0.2207, 0.1851



Deuteranomaly

30.9679, 0.2172, 0.1906



Tritanomaly

30.8632, 0.2831, 0.2553

Monochromacy



Original Color

31.2830, 0.2485, 0.1813



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

31.6938, 0.2876, 0.2647

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2830, 0.2485, 0.1813 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(173, 127, 255)` looks like.

```
.text, #text, p{  
    color:rgb(173, 127, 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(173, 127, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 127, 255) }
```

Border

The CSS property to change the border of an element to Yxy 31.2830, 0.2485, 0.1813 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(173, 127, 255) }
```

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

```
.border{ border-color:rgb(173, 127, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 127, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 127, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 127, 255);  
box-shadow:4px 4px 4px 4px rgb(173, 127,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2830, 0.2485, 0.1813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 127, 255) }
```

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

```
.background{ background-color: rgb(173,  
127, 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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