

Converting Colors

$Y_{xy}(31.5869, 0.2443, 0.1823)$

Have a look what the booklet for
Yxy(31.5869, 0.2443, 0.1823)
contains.

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Color

Yxy(31.5101, 0.2450, 0.1830)

Conversions

Conversions Part 1

Format	Color
Hex	A882FF
RGB	168, 130, 255
RGB Percent	66%, 51%, 100%
CMY	0.3411, 0.4902, 0.0000
CMYK	0.34, 0.49, 0.00, 0.00
HSL	258°, 100%, 75%
HSV	258°, 49%, 100%
XYZ	42.1857, 31.5101, 98.4906
YIQ	155.6120, -17.4770, 46.9310

Conversions

Conversions Part 2

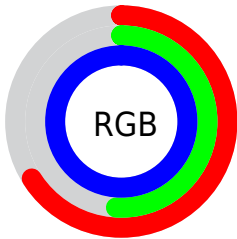
Format	Color
R _Y B	168, 130, 255
Decimal	11043583
CIE Lab	62.94, 41.16, -57.33
CIE LCh	63, 70.571, 305.676
Yxy	31.5101, 0.2450, 0.1830
Android (android.graphics.Color)	4289233663 (0xFFA882FF)
YUV	155.6120, 48.9983, 10.8643
Hunter-Lab	56.1339, 35.9119, -64.7345

Details

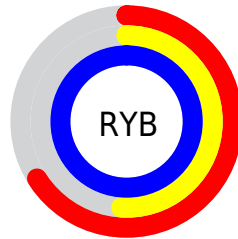
The Yxy color **31.5101, 0.2450, 0.1830** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **87.8808, 0.3586, 0.4607**, and the grayscale version is **32.8472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6697, 0.2939, 0.2547**, and **13.1940, 0.2236, 0.1504** is the 20% darker color. If you saturate the color by 10%, you get **23.7294, 0.2277, 0.1514**, and if you desaturate by 10%, it is **41.2356, 0.2617, 0.2157**.

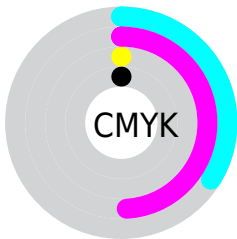
Distribution



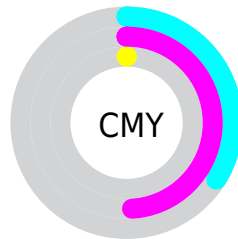
- Red (66%)
- Green (51%)
- Blue (100%)



- Red (66%)
- Yellow (51%)
- Blue (100%)



- Cyan (34%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)





- Cyan (34%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5101, 0.2450, 0.1830 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 31.5101, 0.2450, 0.1830 by changing the saturation by 10% instead.


 31.5101, 0.2450,
0.1830


 31.5101, 0.2450,
0.1830

308.8815, 0.2811,
0.2508


 20.9876, 0.2358,
0.1681


 62.0423, 0.2584,
0.2062

 13.1149, 0.2240,
0.1502


 82.8207, 0.2633,
0.2153

 7.5077, 0.2085,
0.1285


 107.7866, 0.2675,
0.2232

 3.7816, 0.1878,
0.1023

137.3244, 0.2711,
0.2302

 1.5522, 0.1592,
0.0712

171.8183, 0.2741,
0.2363

 0.3250, 0.1208,
0.0279

211.6529, 0.2767,


 0.0000, 0.0475,


0.2416

0.0000

257.2125, 0.2791,
0.2465


 0.0000, 0.0000,
0.0000


 31.5101, 0.2450,
0.1830

 31.5101, 0.2450,
0.1830


 23.7294, 0.2277,
0.1514


 41.2356, 0.2617,
0.2157


 17.7585, 0.2105,
0.1228


 53.0318, 0.2772,
0.2477

 13.4410, 0.1945,
0.0991

 67.0111, 0.2910,
0.2781

 10.5932, 0.1808,
0.0819

 83.2785, 0.3032,
0.3060

 8.9486, 0.1699,
0.0713

100.0000, 0.3127,
0.3290

■ 8.8207, 0.1690,
0.0705

Harmonies

Analogous

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



31.5101, 0.1741, 0.1723



31.5101, 0.2450, 0.1830



31.5101, 0.3516, 0.2201

Triad

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



31.5101, 0.2450, 0.1830



31.5101, 0.5117, 0.4210



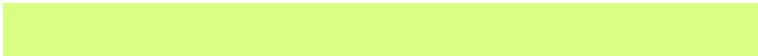
31.5101, 0.1734, 0.3649

Complementary

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



31.5101, 0.2450, 0.1830



87.8808, 0.3586, 0.4607

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.



31.5101, 0.2489, 0.4910



31.5101, 0.2450, 0.1830



31.5101, 0.4429, 0.4959

Square

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



31.5101, 0.2450, 0.1830



31.5101, 0.5254, 0.3465



31.5101, 0.3477, 0.5386



31.5101, 0.1383, 0.2530

Rectangle

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



31.5101, 0.2450, 0.1830



31.5101, 0.4292, 0.2569



31.5101, 0.3477, 0.5386



31.5101, 0.1944, 0.4098

Sweetspot

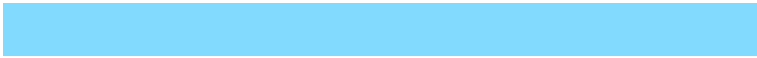
The Sweet Spot groups the original color and five complimentary colors.



31.5094, 0.2450, 0.1830



73.2735, 0.2961, 0.2896



61.8481, 0.2396, 0.2839



14.9710, 0.2935, 0.2836



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.



31.5094, 0.2450, 0.1830



23.7446, 0.2277, 0.1515



40.0063, 0.2964, 0.2021



17.6455, 0.3026, 0.3048



4.6770, 0.1705, 0.0713



0.5097, 0.1823, 0.0778

Inverse Universe

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



42.2324, 0.3538, 0.2420



35.8874, 0.3656, 0.2271



80.0996, 0.3189, 0.4791



18.2007, 0.3185, 0.3126



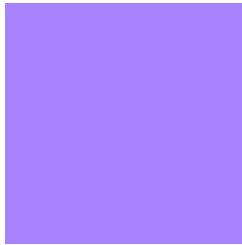
12.8047, 0.4164, 0.2068



1.2662, 0.4028, 0.1993

Previews

White Background



This preview shows how the Yxy color 31.5101, 0.2450, 0.1830 looks on a white background.

Color Contrast Check

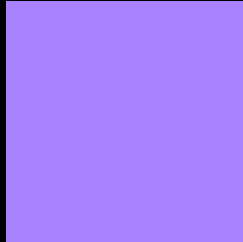
Large Text (above 18pt) WCAG AA × Fail

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 31.5101, 0.2450, 0.1830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

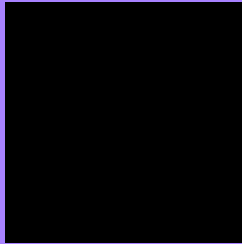
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5101, 0.2450, 0.1830

Background



This preview shows how black text looks on a background with the Yxy color 31.5101, 0.2450, 0.1830.

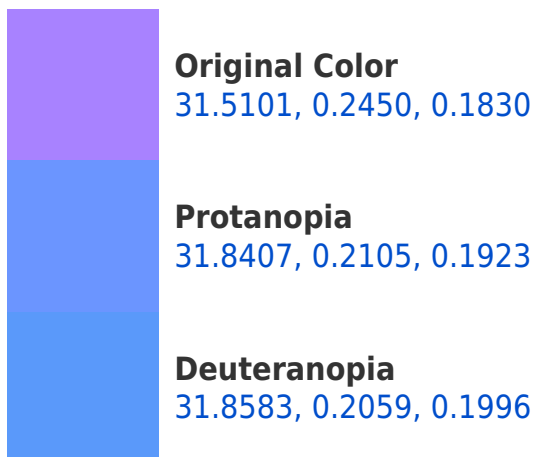


This preview shows how white text looks on a background with the Yxy color 31.5101, 0.2450, 0.1830.

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

31.5264, 0.2989, 0.3107

Trichromacy



Original Color

31.5101, 0.2450, 0.1830

Protanomaly

31.2331, 0.2206, 0.1874

Deuteranomaly

31.1306, 0.2163, 0.1915

Tritanomaly

31.0457, 0.2771, 0.2548

Monochromacy



Original Color

31.5101, 0.2450, 0.1830

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 31.5101, 0.2450, 0.1830 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, 130, 255)` looks like.

```
.text, #text, p{  
    color:rgb(168, 130, 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(168, 130, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 130, 255) }
```

Border

The CSS property to change the border of an element to Yxy 31.5101, 0.2450, 0.1830 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, 130, 255) }
```

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

```
.border{ border-color:rgb(168, 130, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 130, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 130, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 130, 255);  
box-shadow:4px 4px 4px 4px rgb(168, 130,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5101, 0.2450, 0.1830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 130, 255) }
```

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

```
.background{ background-color: rgb(168,  
130, 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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