

Converting Colors

$Y_{xy}(24.5026, 0.2412, 0.1526)$

Have a look what the booklet for
Yxy(24.5026, 0.2412, 0.1526)
contains.

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Color

Yxy(24.4685, 0.2410, 0.1525)

Conversions

Conversions Part 1

Format	Color
Hex	A863FF
RGB	168, 99, 255
RGB Percent	66%, 39%, 100%
CMY	0.3410, 0.6119, 0.0000
CMYK	0.34, 0.61, 0.00, 0.00
HSL	267°, 100%, 69%
HSV	267°, 61%, 100%
XYZ	38.6683, 24.4685, 97.3124
YIQ	137.4150, -8.9520, 63.1440

Conversions

Conversions Part 2

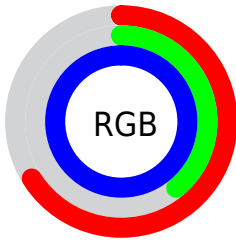
Format	Color
R _Y B	168, 99, 255
Decimal	11035647
CIE Lab	56.55, 57.76, -67.56
CIE LCh	57, 88.880, 310.529
Yxy	24.4685, 0.2410, 0.1525
Android (android.graphics.Color)	4289225727 (0xFFA863FF)
YUV	137.4150, 57.9694, 26.8230
Hunter-Lab	49.4656, 52.9720, -82.0137

Details

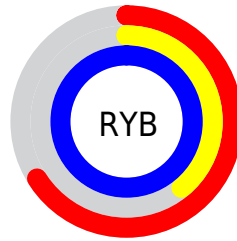
The Yxy color **24.4685, 0.2410, 0.1525** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **82.8521, 0.3513, 0.4997**, and the grayscale version is **24.9588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3334, 0.2942, 0.2230**, and **9.3002, 0.2173, 0.1156** is the 20% darker color. If you saturate the color by 10%, you get **18.9004, 0.2264, 0.1267**, and if you desaturate by 10%, it is **31.7302, 0.2556, 0.1815**.

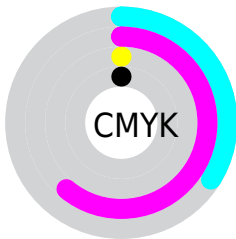
Distribution



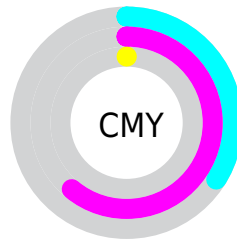
- Red (66%)
- Green (39%)
- Blue (100%)



- Red (66%)
- Yellow (39%)
- Blue (100%)



- Cyan (34%)
- Magenta (61%)
- Yellow (0%)
- Black (0%)





- Cyan (34%)
- Magenta (61%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4685, 0.2410, 0.1525 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 24.4685, 0.2410, 0.1525 by changing the saturation by 10% instead.


 24.4685, 0.2410,
0.1525


 24.4685, 0.2410,
0.1525


275.1806, 0.2812,
0.2333

 15.6815, 0.2304,
0.1354


 50.7937, 0.2562,
0.1797

 9.2991, 0.2167,
0.1153


 69.1006, 0.2618,
0.1905

 4.9368, 0.1987,
0.0919


 91.3497, 0.2664,
0.2000

 2.2102, 0.1745,
0.0653

 117.9253, 0.2703,
0.2083

 0.7256, 0.1417,
0.0363

149.2118, 0.2736,
0.2157

 0.0000, 0.0993,
0.0000

185.5935, 0.2765,

 0.0000, 0.0000,

0.2222

0.0000

227.4550, 0.2790,
0.2280

■ 24.4685, 0.2410,
0.1525

■ 24.4685, 0.2410,
0.1525

■ 18.9004, 0.2264,
0.1267

■ 31.7302, 0.2556,
0.1815

■ 14.8735, 0.2123,
0.1058

■ 40.8228, 0.2694,
0.2122

■ 12.2020, 0.1995,
0.0906

■ 51.8664, 0.2821,
0.2429

■ 10.7219, 0.1897,
0.0819

■ 64.9716, 0.2934,
0.2726

■ 80.2403, 0.3033,
0.3004

97.7674, 0.3118,
0.3261

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.



24.4685, 0.1487, 0.1344



24.4685, 0.2410, 0.1525



24.4685, 0.3877, 0.2001

Triad

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



24.4685, 0.2410, 0.1525



24.4685, 0.5455, 0.4374



24.4685, 0.1215, 0.3418

Complementary

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



24.4685, 0.2410, 0.1525



82.8521, 0.3513, 0.4997

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.



24.4685, 0.2008, 0.5386



24.4685, 0.2410, 0.1525



24.4685, 0.4405, 0.5438

Square

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



24.4685, 0.2410, 0.1525



24.4685, 0.5937, 0.3474



24.4685, 0.3178, 0.6169



24.4685, 0.0943, 0.2058

Rectangle

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



24.4685, 0.2410, 0.1525



24.4685, 0.4933, 0.2451



24.4685, 0.3178, 0.6169



24.4685, 0.1418, 0.4067

Sweetspot

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



24.4678, 0.2410, 0.1525



69.5966, 0.2967, 0.2817



45.5775, 0.2185, 0.2426



13.9905, 0.2937, 0.2734



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.



24.4678, 0.2410, 0.1525



18.0604, 0.2237, 0.1225



35.4794, 0.3097, 0.1831



17.7712, 0.3048, 0.3049



5.6876, 0.1914, 0.0828



0.6173, 0.2040, 0.0897

Inverse Universe

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



33.7218, 0.3944, 0.2438



28.4997, 0.4186, 0.2345



75.6956, 0.3078, 0.5252



18.1566, 0.3206, 0.3158



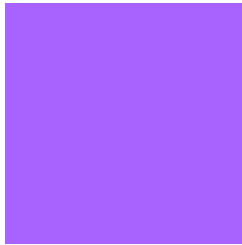
12.1619, 0.4721, 0.2375



1.2062, 0.4501, 0.2253

Previews

White Background



This preview shows how the Yxy color 24.4685, 0.2410, 0.1525 looks on a white background.

Color Contrast Check

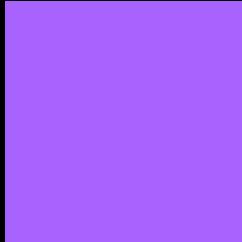
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4685, 0.2410, 0.1525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

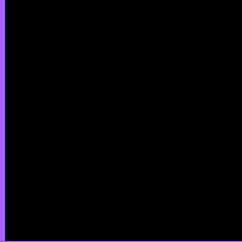
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.4685, 0.2410, 0.1525

Background



This preview shows how black text looks on a background with the Yxy color 24.4685, 0.2410, 0.1525.

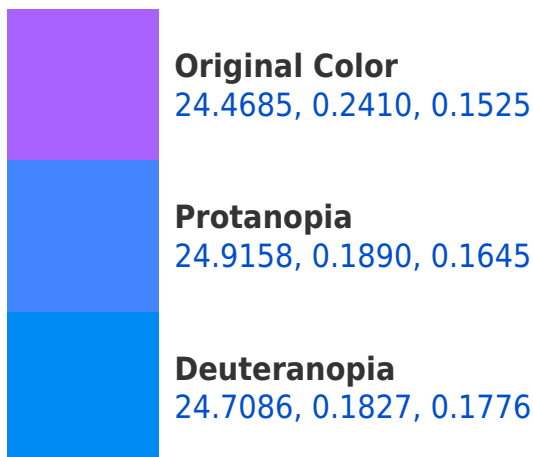


This preview shows how white text looks on a background with the Yxy color 24.4685, 0.2410, 0.1525.

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

24.2053, 0.3170, 0.3109

Trichromacy



Original Color

24.4685, 0.2410, 0.1525



Protanomaly

23.5960, 0.2010, 0.1556



Deuteranomaly

22.1847, 0.1863, 0.1585



Tritanomaly

23.3849, 0.2843, 0.2351

Monochromacy



Original Color

24.4685, 0.2410, 0.1525



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

23.7571, 0.2821, 0.2434

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4685, 0.2410, 0.1525 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, 99, 255)` looks like.

```
.text, #text, p{  
  color:rgb(168, 99, 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, 99, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 99, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.4685, 0.2410, 0.1525 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, 99, 255) }
```

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

```
.border{ border-color:rgb(168, 99, 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, 99, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 99, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 99, 255);  
box-shadow:4px 4px 4px 4px rgb(168, 99,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4685, 0.2410, 0.1525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 99, 255) }
```

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

```
.background{ background-color: rgb(168, 99,  
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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