

Converting Colors

$Y_{xy}(25.8621, 0.2319, 0.1455)$

Have a look what the booklet for
Yxy(25.8621, 0.2319, 0.1455)
contains.

Yxy(24.9382, 0.2405, 0.1548)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(24.9382, 0.2405, 0.1548)

Conversions

Conversions Part 1

Format	Color
Hex	A766FF
RGB	167, 102, 255
RGB Percent	65%, 40%, 100%
CMY	0.3451, 0.6001, 0.0000
CMYK	0.35, 0.60, 0.00, 0.00
HSL	265°, 100%, 70%
HSV	265°, 60%, 100%
XYZ	38.7444, 24.9382, 97.4169
YIQ	138.8770, -10.3730, 61.3630

Conversions

Conversions Part 2

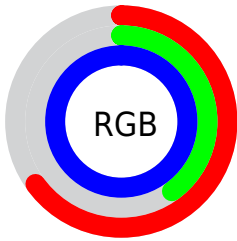
Format	Color
R_{YB}	167, 102, 255
Decimal	10970879
CIE _{Lab}	57.02, 56.01, -66.83
CIE _{LCh}	57, 87.198, 309.967
Yxy	24.9382, 0.2405, 0.1548
Android (android.graphics.Color)	4289160959 (0xFFA766FF)
YUV	138.8770, 57.2486, 24.6639
Hunter-Lab	49.9382, 51.0971, -80.7032

Details

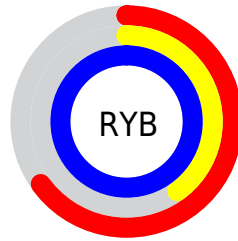
The Yxy color **24.9382, 0.2405, 0.1548** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **83.4228, 0.3528, 0.4955**, and the grayscale version is **25.5452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1657, 0.2934, 0.2257**, and **9.5636, 0.2168, 0.1183** is the 20% darker color. If you saturate the color by 10%, you get **19.1647, 0.2255, 0.1283**, and if you desaturate by 10%, it is **32.4294, 0.2554, 0.1844**.

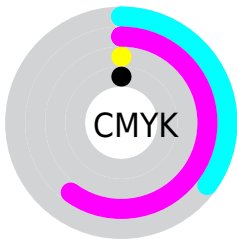
Distribution



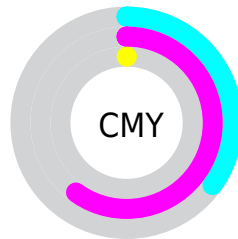
- Red (65%)
- Green (40%)
- Blue (100%)



- Red (65%)
- Yellow (40%)
- Blue (100%)



- Cyan (35%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)




- Cyan (35%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9382, 0.2405, 0.1548 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 24.9382, 0.2405, 0.1548 by changing the saturation by 10% instead.


 24.9382, 0.2405,
0.1548


 24.9382, 0.2405,
0.1548


277.5300, 0.2808,
0.2347


 16.0310, 0.2299,
0.1378


 51.5569, 0.2557,
0.1817


 9.5461, 0.2163,
0.1179


 70.0373, 0.2613,
0.1925

 5.0991, 0.1983,
0.0945


 92.4775, 0.2659,
0.2018

 2.3055, 0.1743,
0.0677

 119.2620, 0.2698,
0.2100

 0.7766, 0.1417,
0.0387

150.7750, 0.2732,
0.2173

 0.0000, 0.0996,
0.0000

187.4011, 0.2760,

 0.0000, 0.0002,

0.2237

0.0000

229.5247, 0.2786,
0.2295

■ 0.0000, 0.0000,
0.0000

■ 24.9382, 0.2405,
0.1548

■ 24.9382, 0.2405,
0.1548

■ 19.1647, 0.2255,
0.1283

■ 32.4294, 0.2554,
0.1844

■ 14.9625, 0.2110,
0.1065

■ 41.7782, 0.2696,
0.2154

■ 12.1485, 0.1979,
0.0905

■ 53.1026, 0.2825,
0.2462

■ 10.4311, 0.1867,
0.0802

■ 66.5125, 0.2940,
0.2758

■ 82.1094, 0.3041,
0.3036

99.9880, 0.3127,
0.3290

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.



24.9382, 0.1503, 0.1374



24.9382, 0.2405, 0.1548



24.9382, 0.3832, 0.2014

Triad

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



24.9382, 0.2405, 0.1548



24.9382, 0.5439, 0.4359



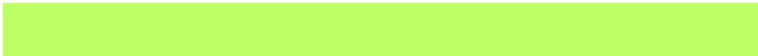
24.9382, 0.1262, 0.3455

Complementary

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



24.9382, 0.2405, 0.1548



83.4228, 0.3528, 0.4955

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.



24.9382, 0.2060, 0.5354



24.9382, 0.2405, 0.1548



24.9382, 0.4421, 0.5391

Square

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



24.9382, 0.2405, 0.1548



24.9382, 0.5881, 0.3472



24.9382, 0.3218, 0.6096



24.9382, 0.0978, 0.2106

Rectangle

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



24.9382, 0.2405, 0.1548



24.9382, 0.4864, 0.2457



24.9382, 0.3218, 0.6096



24.9382, 0.1468, 0.4087

Sweetspot

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



24.9362, 0.2405, 0.1548



69.4633, 0.2962, 0.2816



47.4116, 0.2208, 0.2480



13.9581, 0.2931, 0.2732



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.



24.9362, 0.2405, 0.1548



18.2070, 0.2225, 0.1235



35.6409, 0.3075, 0.1842



17.7550, 0.3046, 0.3049



5.5341, 0.1884, 0.0811



0.6016, 0.2009, 0.0881

Inverse Universe

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



34.4761, 0.3888, 0.2425



28.9909, 0.4119, 0.2321



76.1059, 0.3092, 0.5207



18.1622, 0.3204, 0.3154



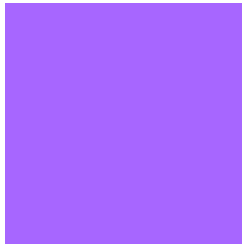
12.2341, 0.4648, 0.2334



1.2131, 0.4438, 0.2218

Previews

White Background



This preview shows how the Yxy color 24.9382, 0.2405, 0.1548 looks on a white background.

Color Contrast Check

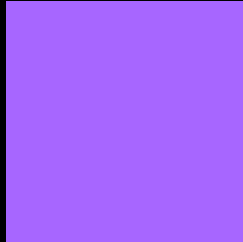
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9382, 0.2405, 0.1548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

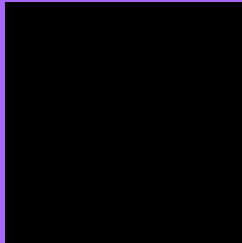
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.9382, 0.2405, 0.1548

Background



This preview shows how black text looks on a background with the Yxy color 24.9382, 0.2405, 0.1548.

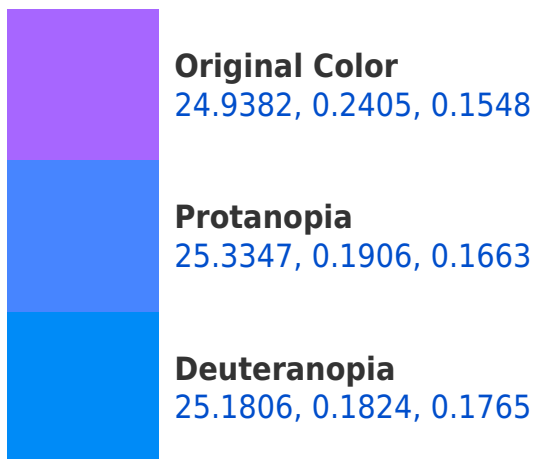


This preview shows how white text looks on a background with the Yxy color 24.9382, 0.2405, 0.1548.

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

24.8084, 0.3147, 0.3110

Trichromacy



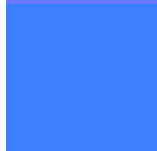
Original Color

24.9382, 0.2405, 0.1548



Protanomaly

24.2032, 0.2026, 0.1584



Deuteranomaly

22.8159, 0.1864, 0.1597



Tritanomaly

24.1521, 0.2835, 0.2382

Monochromacy



Original Color

24.9382, 0.2405, 0.1548



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

24.6475, 0.2824, 0.2469

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9382, 0.2405, 0.1548 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(167, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(167, 102, 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(167, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 102, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.9382, 0.2405, 0.1548 is called "border". The border property can be set on classes, ids or directly on the HTML element.

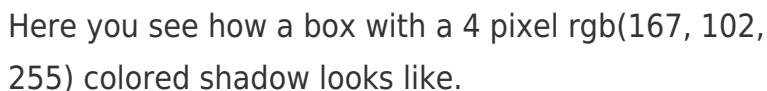
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 102, 255) }
```

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

```
.border{ border-color:rgb(167, 102, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(167, 102,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9382, 0.2405, 0.1548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 102, 255) }
```

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

```
.background{ background-color: rgb(167,  
102, 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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