

Converting Colors

$Y_{xy}(25.1370, 0.2420, 0.1555)$

Have a look what the booklet for
Yxy(25.1370, 0.2420, 0.1555)
contains.

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Color

Yxy(25.1578, 0.2422, 0.1556)

Conversions

Conversions Part 1

Format	Color
Hex	A966FF
RGB	169, 102, 255
RGB Percent	66%, 40%, 100%
CMY	0.3372, 0.6000, 0.0002
CMYK	0.34, 0.60, 0.00, 0.00
HSL	266°, 100%, 70%
HSV	266°, 60%, 100%
XYZ	39.1595, 25.1578, 97.3652
YIQ	139.4750, -9.1810, 61.7870

Conversions

Conversions Part 2

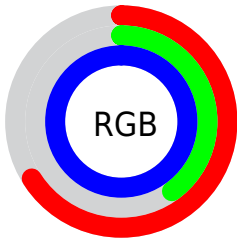
Format	Color
R_{YB}	169, 102, 255
Decimal	11101951
CIE _{Lab}	57.23, 56.41, -66.43
CIE _{LCh}	57, 87.147, 310.338
Yxy	25.1578, 0.2422, 0.1556
Android (android.graphics.Color)	4289292031 (0xFFA966FF)
YUV	139.4750, 56.9538, 25.8934
Hunter-Lab	50.1576, 51.5846, -79.9827

Details

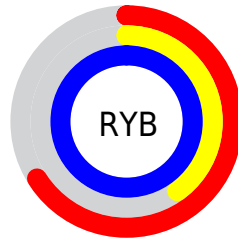
The Yxy color **25.1578, 0.2422, 0.1556** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **83.1401, 0.3514, 0.4963**, and the grayscale version is **25.7923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.4909, 0.2950, 0.2262**, and **9.6919, 0.2188, 0.1193** is the 20% darker color. If you saturate the color by 10%, you get **19.3950, 0.2274, 0.1293**, and if you desaturate by 10%, it is **32.6364, 0.2568, 0.1850**.

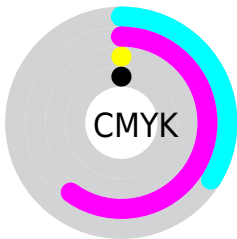
Distribution



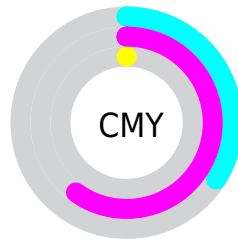
- Red (66%)
- Green (40%)
- Blue (100%)



- Red (66%)
- Yellow (40%)
- Blue (100%)



- Cyan (34%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (34%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.1578, 0.2422, 0.1556 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 25.1578, 0.2422, 0.1556 by changing the saturation by 10% instead.


 25.1578, 0.2422,
0.1556


 25.1578, 0.2422,
0.1556


278.6229, 0.2816,
0.2351


 16.1947, 0.2318,
0.1387


 51.9131, 0.2571,
0.1824

 9.6620, 0.2184,
0.1188


 70.4741, 0.2625,
0.1931

 5.1754, 0.2008,
0.0955


 93.0031, 0.2671,
0.2024

 2.3506, 0.1770,
0.0688

 119.8845, 0.2709,
0.2106

 0.8003, 0.1448,
0.0397

151.5029, 0.2742,
0.2178

 0.0000, 0.1029,
0.0000

188.2424, 0.2770,


 0.0000, 0.0065,


0.2242


0.0000


230.4876, 0.2794,
0.2299


 0.0000, 0.0000,
0.0000

 25.1578, 0.2422,
0.1556


 25.1578, 0.2422,
0.1556


 19.3950, 0.2274,
0.1293

 32.6364, 0.2568,
0.1850


 15.1933, 0.2132,
0.1076


 41.9614, 0.2706,
0.2157


 12.3731, 0.2002,
0.0917

 53.2534, 0.2833,
0.2464

 10.6432, 0.1890,
0.0815

 66.6216, 0.2945,
0.2760

 10.6416, 0.1889,
0.0814

 82.1672, 0.3043,
0.3036

99.9846, 0.3127,
0.3290

99.9974, 0.3127,
0.3290

Harmonies

Analogous

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



25.1578, 0.1515, 0.1379



25.1578, 0.2422, 0.1556



25.1578, 0.3850, 0.2025

Triad

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



25.1578, 0.2422, 0.1556



25.1578, 0.5424, 0.4372



25.1578, 0.1261, 0.3433

Complementary

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



25.1578, 0.2422, 0.1556



83.1401, 0.3514, 0.4963

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.



25.1578, 0.2051, 0.5325



25.1578, 0.2422, 0.1556



25.1578, 0.4406, 0.5399

Square

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



25.1578, 0.2422, 0.1556



25.1578, 0.5873, 0.3484



25.1578, 0.3206, 0.6089



25.1578, 0.0982, 0.2099

Rectangle

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



25.1578, 0.2422, 0.1556



25.1578, 0.4876, 0.2469



25.1578, 0.3206, 0.6089



25.1578, 0.1464, 0.4060

Sweetspot

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



25.1587, 0.2422, 0.1556



69.5621, 0.2966, 0.2816



46.3015, 0.2201, 0.2446



13.9821, 0.2935, 0.2733



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.



25.1587, 0.2422, 0.1556



18.4362, 0.2245, 0.1245



36.0923, 0.3099, 0.1853



17.7670, 0.3048, 0.3049



5.6472, 0.1906, 0.0824



0.6132, 0.2032, 0.0893

Inverse Universe

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



34.3865, 0.3912, 0.2443



28.8959, 0.4153, 0.2343



75.9122, 0.3080, 0.5213



18.1581, 0.3206, 0.3157



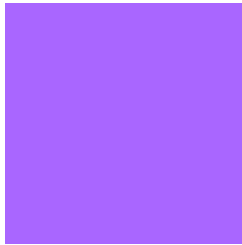
12.1803, 0.4702, 0.2364



1.2079, 0.4484, 0.2244

Previews

White Background



This preview shows how the Yxy color 25.1578, 0.2422, 0.1556 looks on a white background.

Color Contrast Check

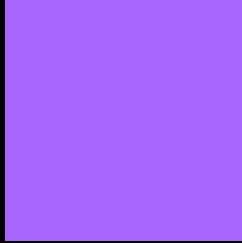
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.1578, 0.2422, 0.1556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

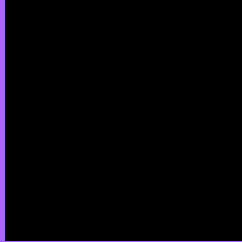
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.1578, 0.2422, 0.1556

Background



This preview shows how black text looks on a background with the Yxy color 25.1578, 0.2422, 0.1556.

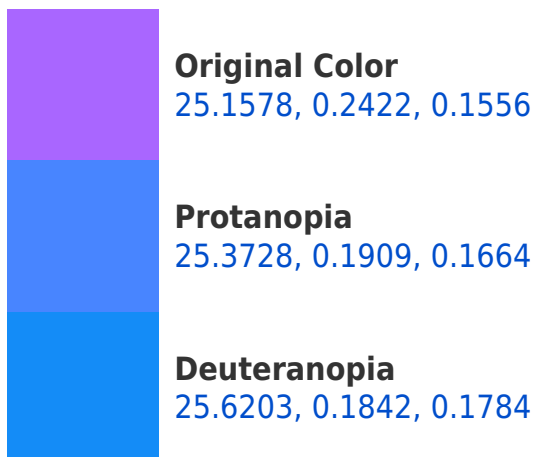


This preview shows how white text looks on a background with the Yxy color 25.1578, 0.2422, 0.1556.

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

24.9917, 0.3169, 0.3112

Trichromacy



Original Color

25.1578, 0.2422, 0.1556



Protanomaly

24.2649, 0.2031, 0.1586



Deuteranomaly

23.2797, 0.1908, 0.1613



Tritanomaly

24.3483, 0.2856, 0.2387

Monochromacy



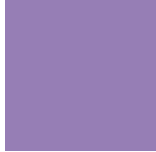
Original Color

25.1578, 0.2422, 0.1556



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

24.7419, 0.2835, 0.2471

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.1578, 0.2422, 0.1556 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(169, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(169, 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(169, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 102, 255) }
```

Border

The CSS property to change the border of an element to Yxy 25.1578, 0.2422, 0.1556 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(169, 102, 255) }
```

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

```
.border{ border-color:rgb(169, 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(169, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(169, 102,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 25.1578, 0.2422, 0.1556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 102, 255) }
```

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

```
.background{ background-color: rgb(169,  
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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