

Converting Colors

$Y_{xy}(27.2233, 0.2298, 0.1389)$

Have a look what the booklet for
Yxy(27.2233, 0.2298, 0.1389)
contains.

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Color

Yxy(25.1424, 0.2460, 0.1548)

Conversions

Conversions Part 1

Format	Color
Hex	AE63FF
RGB	174, 99, 255
RGB Percent	68%, 39%, 100%
CMY	0.3178, 0.6116, 0.0002
CMYK	0.32, 0.61, 0.00, 0.00
HSL	269°, 100%, 69%
HSV	269°, 61%, 100%
XYZ	39.9550, 25.1424, 97.3212
YIQ	139.2090, -5.3760, 64.4160

Conversions

Conversions Part 2

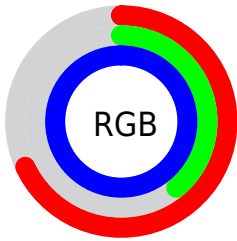
Format	Color
RYB	174, 99, 255
Decimal	11428863
CIELab	57.21, 58.98, -66.42
CIELCh	57, 88.828, 311.601
Yxy	25.1424, 0.2460, 0.1548
Android (android.graphics.Color)	4289618943 (0xFFAE63FF)
YUV	139.2090, 57.0850, 30.5117
Hunter-Lab	50.1422, 54.4859, -79.9767

Details

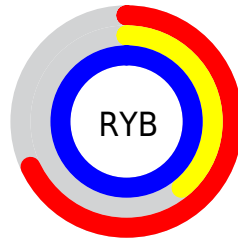
The Yxy color **25.1424, 0.2460, 0.1548** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **82.1052, 0.3474, 0.5018**, and the grayscale version is **25.6844, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.3261, 0.2991, 0.2245**, and **9.6210, 0.2234, 0.1180** is the 20% darker color. If you saturate the color by 10%, you get **19.6021, 0.2321, 0.1296**, and if you desaturate by 10%, it is **32.3589, 0.2597, 0.1832**.

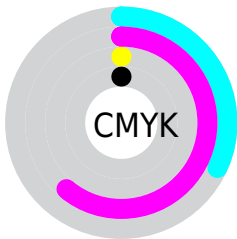
Distribution



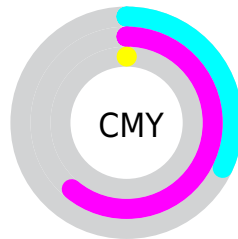
- Red (68%)
- Green (39%)
- Blue (100%)



- Red (68%)
- Yellow (39%)
- Blue (100%)



- Cyan (32%)
- Magenta (61%)
- Yellow (0%)
- Black (0%)



- Cyan (32%)
- Magenta (61%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.1424, 0.2460, 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 25.1424, 0.2460, 0.1548 by changing the saturation by 10% instead.


 25.1424, 0.2460,
0.1548


 25.1424, 0.2460,
0.1548


278.5464, 0.2836,
0.2344

 16.1832, 0.2360,
0.1379


 51.8881, 0.2603,
0.1816


 9.6539, 0.2230,
0.1181


 70.4435, 0.2655,
0.1923

 5.1701, 0.2059,
0.0949


 92.9663, 0.2698,
0.2016

 2.3474, 0.1827,
0.0683

 119.8409, 0.2735,
0.2098

 0.7986, 0.1509,
0.0394

151.4519, 0.2766,
0.2170

 0.0000, 0.1092,
0.0000

188.1835, 0.2793,

 0.0000, 0.0183,

0.2235


0.0000


230.4202, 0.2816,
0.2292

 0.0000, 0.0000,
0.0000

 25.1424, 0.2460,
0.1548


 25.1424, 0.2460,
0.1548


 19.6021, 0.2321,
0.1296


 32.3589, 0.2597,
0.1832


 15.5820, 0.2187,
0.1092


 41.3829, 0.2726,
0.2133

 12.8994, 0.2064,
0.0944

 52.3351, 0.2844,
0.2435

 11.3920, 0.1967,
0.0857

 65.3249, 0.2949,
0.2729

 80.4533, 0.3041,
0.3006

97.8144, 0.3119,
0.3262

99.9975, 0.3127,
0.3290

Harmonies

Analogous

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



25.1424, 0.1521, 0.1357



25.1424, 0.2460, 0.1548



25.1424, 0.3929, 0.2032

Triad

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



25.1424, 0.2460, 0.1548



25.1424, 0.5412, 0.4411



25.1424, 0.1212, 0.3355

Complementary

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



25.1424, 0.2460, 0.1548



82.1052, 0.3474, 0.5018

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.



25.1424, 0.1983, 0.5300



25.1424, 0.2460, 0.1548



25.1424, 0.4360, 0.5463

Square

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



25.1424, 0.2460, 0.1548



25.1424, 0.5914, 0.3508



25.1424, 0.3141, 0.6147



25.1424, 0.0953, 0.2038

Rectangle

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



25.1424, 0.2460, 0.1548



25.1424, 0.4967, 0.2484



25.1424, 0.3141, 0.6147



25.1424, 0.1407, 0.3989

Sweetspot

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



25.1433, 0.2460, 0.1548



69.8846, 0.2979, 0.2818



43.4101, 0.2169, 0.2356



14.0605, 0.2951, 0.2736



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.



25.1433, 0.2460, 0.1548



18.7566, 0.2296, 0.1255



36.4296, 0.3146, 0.1853



17.8059, 0.3054, 0.3050



6.0424, 0.1983, 0.0866



0.6529, 0.2107, 0.0935

Inverse Universe

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



33.4815, 0.4018, 0.2494



28.2348, 0.4287, 0.2411



75.3541, 0.3055, 0.5264



18.1447, 0.3212, 0.3167



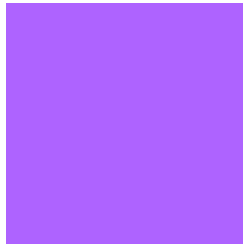
12.0165, 0.4881, 0.2463



1.1921, 0.4638, 0.2329

Previews

White Background



This preview shows how the Yxy color 25.1424, 0.2460, 0.1548 looks on a white background.

Color Contrast Check

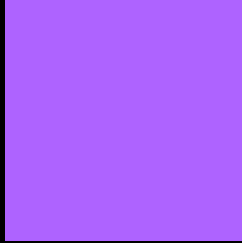
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.1424, 0.2460, 0.1548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

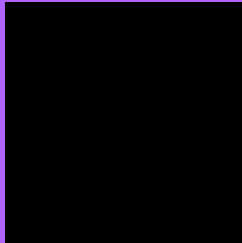
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.1424, 0.2460, 0.1548

Background



This preview shows how black text looks on a background with the Yxy color 25.1424, 0.2460, 0.1548.



This preview shows how white text looks on a background with the Yxy color 25.1424, 0.2460, 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



Original Color

25.1424, 0.2460, 0.1548

Protanopia

25.3728, 0.1909, 0.1664

Deuteranopia

25.6658, 0.1846, 0.1785



Tritanopia

24.8610, 0.3250, 0.3114

Trichromacy



Original Color

25.1424, 0.2460, 0.1548



Protanomaly

24.1460, 0.2039, 0.1579



Deuteranomaly

23.2316, 0.1925, 0.1608



Tritanomaly

24.0861, 0.2917, 0.2370

Monochromacy



Original Color

25.1424, 0.2460, 0.1548



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

24.4269, 0.2854, 0.2446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.1424, 0.2460, 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(174, 99, 255)` looks like.

```
.text, #text, p{  
    color:rgb(174, 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(174, 99, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 99, 255) }
```

Border

The CSS property to change the border of an element to Yxy 25.1424, 0.2460, 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(174, 99, 255) }
```

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

```
.border{ border-color:rgb(174, 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(174, 99, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 99, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 99, 255);  
box-shadow:4px 4px 4px 4px rgb(174, 99,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 25.1424, 0.2460, 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(174, 99, 255) }
```

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

```
.background{ background-color: rgb(174, 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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