

Converting Colors

$Y_{xy}(25.7158, 0.2463, 0.1574)$

Have a look what the booklet for
Yxy(25.7158, 0.2463, 0.1574)
contains.

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Color

Yxy(25.7214, 0.2463, 0.1574)

Conversions

Conversions Part 1

Format	Color
Hex	AE66FF
RGB	174, 102, 255
RGB Percent	68%, 40%, 100%
CMY	0.3178, 0.5999, 0.0000
CMYK	0.32, 0.60, 0.00, 0.00
HSL	268°, 100%, 70%
HSV	268°, 60%, 100%
XYZ	40.2489, 25.7214, 97.4439
YIQ	140.9700, -6.2010, 62.8470

Conversions

Conversions Part 2

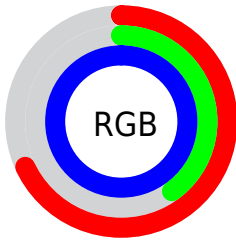
Format	Color
RYB	174, 102, 255
Decimal	11429631
CIELab	57.77, 57.49, -65.54
CIELCh	58, 87.183, 311.255
Yxy	25.7214, 0.2463, 0.1574
Android (android.graphics.Color)	4289619711 (0xFFAE66FF)
YUV	140.9700, 56.2168, 28.9673
Hunter-Lab	50.7163, 52.9059, -78.4157

Details

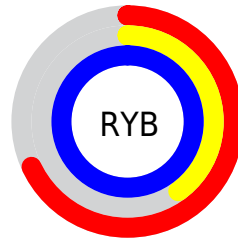
The Yxy color **25.7214, 0.2463, 0.1574** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **82.5494, 0.3482, 0.4981**, and the grayscale version is **26.4032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.3206, 0.2991, 0.2274**, and **9.9408, 0.2239, 0.1211** is the 20% darker color. If you saturate the color by 10%, you get **19.9822, 0.2322, 0.1316**, and if you desaturate by 10%, it is **33.1593, 0.2601, 0.1863**.

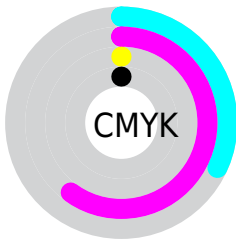
Distribution



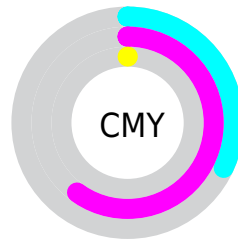
- Red (68%)
- Green (40%)
- Blue (100%)



- Red (68%)
- Yellow (40%)
- Blue (100%)



- Cyan (32%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)




- Cyan (32%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.7214, 0.2463, 0.1574 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 25.7214, 0.2463, 0.1574 by changing the saturation by 10% instead.


 25.7214, 0.2463,
0.1574


 25.7214, 0.2463,
0.1574


281.4118, 0.2836,
0.2359


 16.6153, 0.2364,
0.1407

 52.8252, 0.2604,
0.1839

 9.9606, 0.2236,
0.1210


 71.5916, 0.2656,
0.1944

 5.3729, 0.2067,
0.0979


 94.3470, 0.2699,
0.2036

 2.4676, 0.1838,
0.0712

 121.4758, 0.2735,
0.2117

 0.8604, 0.1523,
0.0421

153.3622, 0.2766,
0.2188

 0.0000, 0.1113,
0.0000

190.3907, 0.2793,

 0.0000, 0.0224,

0.2252

0.0000


232.9458, 0.2816,
0.2308


 0.0000, 0.0000,
0.0000


 25.7214, 0.2463,
0.1574


 25.7214, 0.2463,
0.1574

 19.9822, 0.2322,
0.1316


 33.1593, 0.2601,
0.1863


 15.7879, 0.2185,
0.1104


 42.4255, 0.2732,
0.2165


 12.9600, 0.2059,
0.0948

 53.6398, 0.2851,
0.2469

 11.2083, 0.1948,
0.0847

 66.9107, 0.2957,
0.2762

 11.2063, 0.1947,
0.0846

 82.3385, 0.3049,
0.3037

99.9995, 0.3127,
0.3290

Harmonies

Analogous

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



25.7214, 0.1543, 0.1388



25.7214, 0.2463, 0.1574



25.7214, 0.3894, 0.2050

Triad

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



25.7214, 0.2463, 0.1574



25.7214, 0.5391, 0.4402



25.7214, 0.1256, 0.3380

Complementary

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



25.7214, 0.2463, 0.1574



82.5494, 0.3482, 0.4981

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.



25.7214, 0.2028, 0.5258



25.7214, 0.2463, 0.1574



25.7214, 0.4370, 0.5422

Square

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



25.7214, 0.2463, 0.1574



25.7214, 0.5858, 0.3513



25.7214, 0.3174, 0.6073



25.7214, 0.0989, 0.2080

Rectangle

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



25.7214, 0.2463, 0.1574



25.7214, 0.4907, 0.2496



25.7214, 0.3174, 0.6073



25.7214, 0.1453, 0.3997

Sweetspot

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



25.7223, 0.2463, 0.1574



69.8066, 0.2976, 0.2818



44.1650, 0.2185, 0.2378



14.0415, 0.2948, 0.2735



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.



25.7223, 0.2463, 0.1574



19.0203, 0.2294, 0.1269



37.0323, 0.3146, 0.1873



17.7965, 0.3053, 0.3050



5.9431, 0.1964, 0.0856



0.6430, 0.2089, 0.0924

Inverse Universe

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



34.1884, 0.3973, 0.2490



28.6693, 0.4237, 0.2398



75.6086, 0.3057, 0.5226



18.1479, 0.3211, 0.3165



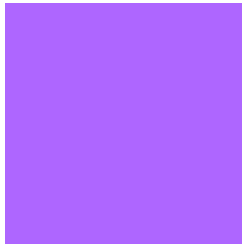
12.0545, 0.4838, 0.2439



1.1958, 0.4601, 0.2308

Previews

White Background



This preview shows how the Yxy color 25.7214, 0.2463, 0.1574 looks on a white background.

Color Contrast Check

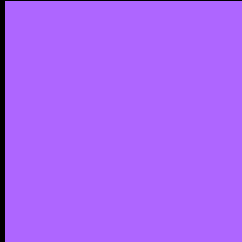
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.7214, 0.2463, 0.1574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

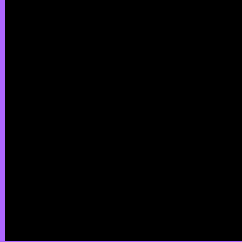
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.7214, 0.2463, 0.1574

Background



This preview shows how black text looks on a background with the Yxy color 25.7214, 0.2463, 0.1574.

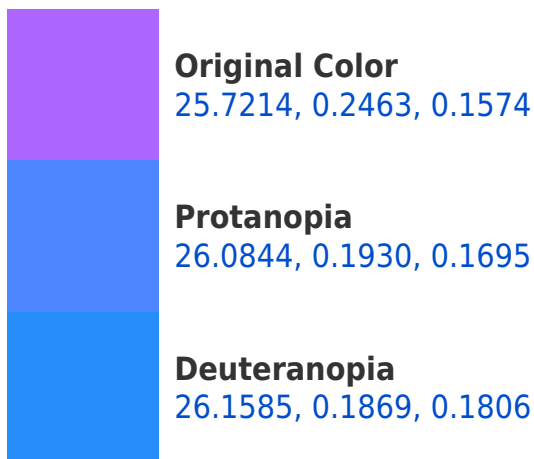


This preview shows how white text looks on a background with the Yxy color 25.7214, 0.2463, 0.1574.

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

25.5610, 0.3237, 0.3116

Trichromacy



Original Color

25.7214, 0.2463, 0.1574



Protanomaly

24.8307, 0.2061, 0.1609



Deuteranomaly

24.1071, 0.1965, 0.1646



Tritanomaly

24.9568, 0.2919, 0.2404

Monochromacy



Original Color

25.7214, 0.2463, 0.1574



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

25.3284, 0.2857, 0.2481

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7214, 0.2463, 0.1574 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, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(174, 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(174, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 102, 255) }
```

Border

The CSS property to change the border of an element to Yxy 25.7214, 0.2463, 0.1574 is called "border". The border property can be set on classes, ids or directly on the HTML element.

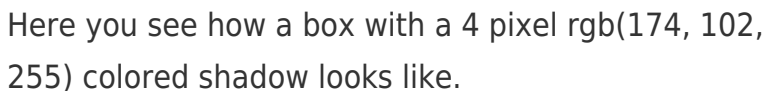
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(174, 102, 255) }
```

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

```
.border{ border-color:rgb(174, 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(174, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(174, 102,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7214, 0.2463, 0.1574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 102, 255) }
```

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

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