

Converting Colors

$Y_{xy}(24.4935, 0.2464, 0.1516)$

Have a look what the booklet for
Yxy(24.4935, 0.2464, 0.1516)
contains.

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Color

Yxy(24.5184, 0.2464, 0.1517)

Conversions

Conversions Part 1

Format	Color
Hex	AF5FFF
RGB	175, 95, 255
RGB Percent	69%, 37%, 100%
CMY	0.3138, 0.6275, 0.0000
CMYK	0.31, 0.63, 0.00, 0.00
HSL	270°, 100%, 69%
HSV	270°, 63%, 100%
XYZ	39.8242, 24.5184, 97.2816
YIQ	137.1600, -3.6800, 66.7200

Conversions

Conversions Part 2

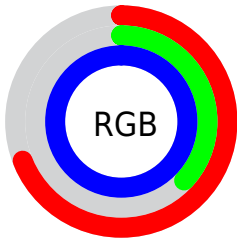
Format	Color
R _{YB}	175, 95, 255
Decimal	11493375
CIE _{Lab}	56.60, 61.20, -67.45
CIE _{LCh}	57, 91.077, 312.219
Yxy	24.5184, 0.2464, 0.1517
Android (android.graphics.Color)	4289683455 (0xFFAF5FFF)
YUV	137.1600, 58.0951, 33.1857
Hunter-Lab	49.5161, 56.9089, -81.8228

Details

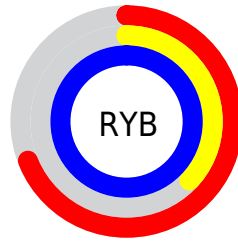
The Yxy color **24.5184, 0.2464, 0.1517** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **81.4619, 0.3456, 0.5073**, and the grayscale version is **24.8548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3771, 0.3007, 0.2212**, and **9.3307, 0.2239, 0.1150** is the 20% darker color. If you saturate the color by 10%, you get **19.2434, 0.2330, 0.1276**, and if you desaturate by 10%, it is **31.4310, 0.2597, 0.1794**.

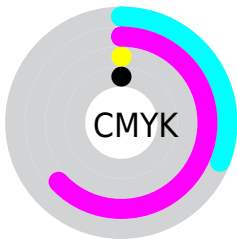
Distribution



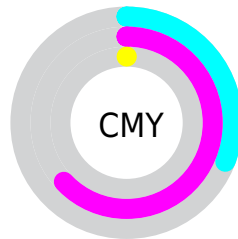
- Red (69%)
- Green (37%)
- Blue (100%)



- Red (69%)
- Yellow (37%)
- Blue (100%)



- Cyan (31%)
- Magenta (63%)
- Yellow (0%)
- Black (0%)





- Cyan (31%)
- Magenta (63%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.5184, 0.2464, 0.1517 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 24.5184, 0.2464, 0.1517 by changing the saturation by 10% instead.


 24.5184, 0.2464,
0.1517


 24.5184, 0.2464,
0.1517


275.4310, 0.2841,
0.2325


 15.7186, 0.2363,
0.1347


 50.8748, 0.2608,
0.1788

 9.3253, 0.2232,
0.1147


 69.2003, 0.2660,
0.1897

 4.9539, 0.2059,
0.0914


 91.4697, 0.2703,
0.1992

 2.2203, 0.1825,
0.0649

 118.0676, 0.2740,
0.2075

 0.7310, 0.1505,
0.0362

149.3783, 0.2771,
0.2148

 0.0000, 0.1083,
0.0000


185.7861, 0.2797,


 0.0000, 0.0164,


0.2214


0.0000


227.6755, 0.2821,
0.2272


 0.0000, 0.0000,
0.0000


 24.5184, 0.2464,
0.1517

 24.5184, 0.2464,
0.1517


 19.2434, 0.2330,
0.1276

 31.4310, 0.2597,
0.1794


 15.4559, 0.2201,
0.1082


 40.1240, 0.2723,
0.2090

 12.9642, 0.2082,
0.0945

 50.7166, 0.2838,
0.2391

 11.7686, 0.2004,
0.0878

 63.3194, 0.2941,
0.2685

 78.0342, 0.3031,
0.2964

94.9557, 0.3108,
0.3223

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.



24.5184, 0.1498, 0.1317



24.5184, 0.2464, 0.1517



24.5184, 0.3986, 0.2013

Triad

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



24.5184, 0.2464, 0.1517



24.5184, 0.5434, 0.4429



24.5184, 0.1153, 0.3310

Complementary

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



24.5184, 0.2464, 0.1517



81.4619, 0.3456, 0.5073

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.



24.5184, 0.1918, 0.5344



24.5184, 0.2464, 0.1517



24.5184, 0.4340, 0.5525

Square

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



24.5184, 0.2464, 0.1517



24.5184, 0.5985, 0.3506



24.5184, 0.3089, 0.6244



24.5184, 0.0908, 0.1979

Rectangle

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



24.5184, 0.2464, 0.1517



24.5184, 0.5055, 0.2473



24.5184, 0.3089, 0.6244



24.5184, 0.1344, 0.3964

Sweetspot

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



24.5162, 0.2464, 0.1517



68.5786, 0.2977, 0.2791



41.3608, 0.2139, 0.2291



13.8133, 0.2950, 0.2710



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.



24.5162, 0.2464, 0.1517



18.2661, 0.2300, 0.1227



36.1619, 0.3170, 0.1837



17.8238, 0.3058, 0.3050



6.2381, 0.2021, 0.0887



0.6723, 0.2143, 0.0954

Inverse Universe

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



32.5398, 0.4093, 0.2510



27.4156, 0.4389, 0.2438



74.9243, 0.3042, 0.5322



18.1386, 0.3215, 0.3172



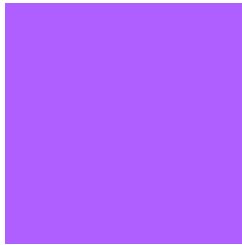
11.9468, 0.4964, 0.2508



1.1853, 0.4710, 0.2368

Previews

White Background



This preview shows how the Yxy color 24.5184, 0.2464, 0.1517 looks on a white background.

Color Contrast Check

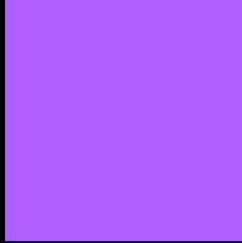
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5184, 0.2464, 0.1517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

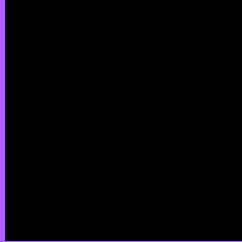
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.5184, 0.2464, 0.1517

Background



This preview shows how black text looks on a background with the Yxy color 24.5184, 0.2464, 0.1517.



This preview shows how white text looks on a background with the Yxy color 24.5184, 0.2464, 0.1517.

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

24.5184, 0.2464, 0.1517

Protanopia

24.9515, 0.1893, 0.1646

Deuteranopia

24.7695, 0.1824, 0.1767



Tritanopia

24.3369, 0.3298, 0.3130

Trichromacy



Original Color

24.5184, 0.2464, 0.1517



Protanomaly

23.5395, 0.2023, 0.1551



Deuteranomaly

21.8486, 0.1863, 0.1555



Tritanomaly

23.6358, 0.2947, 0.2369

Monochromacy



Original Color

24.5184, 0.2464, 0.1517



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

23.7937, 0.2852, 0.2427

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5184, 0.2464, 0.1517 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(175, 95, 255)` looks like.

```
.text, #text, p{  
    color:rgb(175, 95, 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(175, 95, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 95, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.5184, 0.2464, 0.1517 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(175, 95, 255) }
```

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

```
.border{ border-color:rgb(175, 95, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 95, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 95, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 95, 255);  
box-shadow:4px 4px 4px 4px rgb(175, 95,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5184, 0.2464, 0.1517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 95, 255) }
```

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

```
.background{ background-color: rgb(175, 95,  
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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