

Converting Colors

$Y_{xy}(25.5420, 0.2450, 0.1568)$

Have a look what the booklet for
Yxy(25.5420, 0.2450, 0.1568)
contains.

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Color

Yxy(25.4934, 0.2447, 0.1567)

Conversions

Conversions Part 1

Format	Color
Hex	AC66FF
RGB	172, 102, 255
RGB Percent	67%, 40%, 100%
CMY	0.3254, 0.6000, 0.0002
CMYK	0.33, 0.60, 0.00, 0.00
HSL	267°, 100%, 70%
HSV	267°, 60%, 100%
XYZ	39.8101, 25.4934, 97.3858
YIQ	140.3720, -7.3930, 62.4230

Conversions

Conversions Part 2

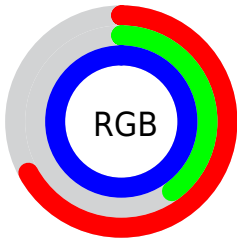
Format	Color
R_{YB}	172, 102, 255
Decimal	11298559
CIE _{Lab}	57.55, 57.06, -65.88
CIE _{LCh}	58, 87.157, 310.897
Yxy	25.4934, 0.2447, 0.1567
Android (android.graphics.Color)	4289488639 (0xFFAC66FF)
YUV	140.3720, 56.5116, 27.7378
Hunter-Lab	50.4910, 52.3806, -79.0134

Details

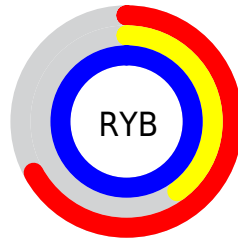
The Yxy color **25.4934, 0.2447, 0.1567** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **82.7534, 0.3494, 0.4974**, and the grayscale version is **26.1583, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.9859, 0.2975, 0.2270**, and **9.8053, 0.2218, 0.1200** is the 20% darker color. If you saturate the color by 10%, you get **19.7457, 0.2303, 0.1307**, and if you desaturate by 10%, it is **32.9459, 0.2588, 0.1858**.

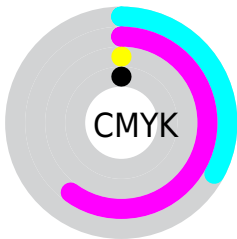
Distribution



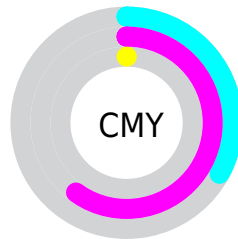
- Red (67%)
- Green (40%)
- Blue (100%)



- Red (67%)
- Yellow (40%)
- Blue (100%)



- Cyan (33%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)




- Cyan (33%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.4934, 0.2447, 0.1567 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 25.4934, 0.2447, 0.1567 by changing the saturation by 10% instead.


 25.4934, 0.2447,
0.1567


 25.4934, 0.2447,
0.1567


280.2863, 0.2828,
0.2356


 16.4450, 0.2346,
0.1399


 52.4565, 0.2591,
0.1833

 9.8396, 0.2216,
0.1202


 71.1401, 0.2644,
0.1939

 5.2927, 0.2044,
0.0970


 93.8042, 0.2688,
0.2031

 2.4200, 0.1811,
0.0703

 120.8332, 0.2725,
0.2113

 0.8362, 0.1493,
0.0412

152.6115, 0.2757,
0.2184

 0.0000, 0.1080,
0.0000

189.5235, 0.2784,

 0.0000, 0.0161,


0.2248

0.0000


231.9537, 0.2807,
0.2305

 0.0000, 0.0000,
0.0000


 25.4934, 0.2447,
0.1567

 25.4934, 0.2447,
0.1567


 19.7457, 0.2303,
0.1307


 32.9459, 0.2588,
0.1858


 15.5487, 0.2164,
0.1093

 42.2331, 0.2722,
0.2162


 12.7236, 0.2036,
0.0936

 53.4750, 0.2844,
0.2467

 10.9798, 0.1925,
0.0834

 66.7804, 0.2952,
0.2761

 10.9779, 0.1924,
0.0834

 82.2500, 0.3047,
0.3037

99.9777, 0.3127,
0.3290

99.9966, 0.3127,
0.3291

Harmonies

Analogous

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



25.4934, 0.1532, 0.1385



25.4934, 0.2447, 0.1567



25.4934, 0.3877, 0.2040

Triad

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



25.4934, 0.2447, 0.1567



25.4934, 0.5404, 0.4390



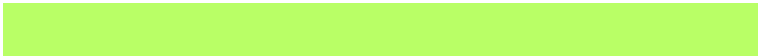
25.4934, 0.1258, 0.3401

Complementary

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



25.4934, 0.2447, 0.1567



82.7534, 0.3494, 0.4974

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.



25.4934, 0.2037, 0.5284



25.4934, 0.2447, 0.1567



25.4934, 0.4384, 0.5413

Square

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



25.4934, 0.2447, 0.1567



25.4934, 0.5864, 0.3502



25.4934, 0.3186, 0.6079



25.4934, 0.0986, 0.2087

Rectangle

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



25.4934, 0.2447, 0.1567



25.4934, 0.4895, 0.2485



25.4934, 0.3186, 0.6079



25.4934, 0.1457, 0.4021

Sweetspot

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



25.4943, 0.2447, 0.1567



69.7113, 0.2972, 0.2817



45.2133, 0.2193, 0.2412



14.0183, 0.2943, 0.2734



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.



25.4943, 0.2447, 0.1567



18.7899, 0.2275, 0.1260



36.5506, 0.3122, 0.1863



17.7850, 0.3051, 0.3049



5.8251, 0.1941, 0.0843



0.6312, 0.2066, 0.0912

Inverse Universe

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



34.2555, 0.3949, 0.2472



28.7562, 0.4204, 0.2377



75.7394, 0.3069, 0.5219



18.1519, 0.3209, 0.3162



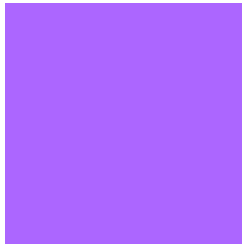
12.1023, 0.4785, 0.2410



1.2004, 0.4555, 0.2283

Previews

White Background



This preview shows how the Yxy color 25.4934, 0.2447, 0.1567 looks on a white background.

Color Contrast Check

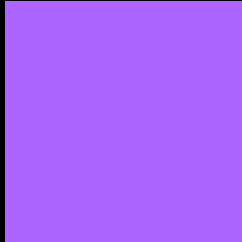
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.4934, 0.2447, 0.1567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

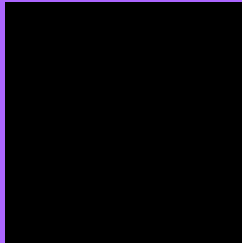
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.4934, 0.2447, 0.1567

Background



This preview shows how black text looks on a background with the Yxy color 25.4934, 0.2447, 0.1567.



This preview shows how white text looks on a background with the Yxy color 25.4934, 0.2447, 0.1567.

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

25.4934, 0.2447, 0.1567

Protanopia

25.7661, 0.1923, 0.1681

Deuteranopia

25.7786, 0.1857, 0.1789



Tritanopia

25.2727, 0.3203, 0.3114

Trichromacy



Original Color

25.4934, 0.2447, 0.1567



Protanomaly

24.4541, 0.2047, 0.1592



Deuteranomaly

23.6628, 0.1944, 0.1627



Tritanomaly

24.6489, 0.2887, 0.2395

Monochromacy



Original Color

25.4934, 0.2447, 0.1567



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

24.9745, 0.2846, 0.2463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.4934, 0.2447, 0.1567 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(172, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 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(172, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 102, 255) }
```

Border

The CSS property to change the border of an element to Yxy 25.4934, 0.2447, 0.1567 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(172, 102, 255) }
```

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

```
.border{ border-color:rgb(172, 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(172, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 102,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 25.4934, 0.2447, 0.1567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 102, 255) }
```

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

```
.background{ background-color: rgb(172,  
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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