

Converting Colors

$Y_{xy}(25.9244, 0.2448, 0.1687)$

Have a look what the booklet for
Yxy(25.9244, 0.2448, 0.1687)
contains.

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Color

Yxy(25.9152, 0.2447, 0.1686)

Conversions

Conversions Part 1

Format	Color
Hex	A46FF6
RGB	164, 111, 246
RGB Percent	64%, 44%, 96%
CMY	0.3572, 0.5645, 0.0354
CMYK	0.33, 0.55, 0.00, 0.04
HSL	264°, 88%, 70%
HSV	264°, 55%, 96%
XYZ	37.6124, 25.9152, 90.1806
YIQ	142.2370, -11.7470, 53.2210

Conversions

Conversions Part 2

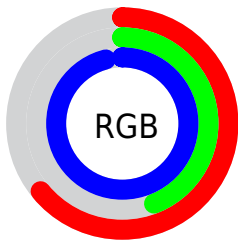
Format	Color
RYB	164, 111, 246
Decimal	10776566
CIELab	57.96, 48.31, -60.31
CIElCh	58, 77.273, 308.694
Yxy	25.9152, 0.2447, 0.1686
Android (android.graphics.Color)	4288966646 (0xFFA46FF6)
YUV	142.2370, 51.1552, 19.0862
Hunter-Lab	50.9070, 42.7967, -69.3961

Details

The Yxy color **25.9152, 0.2447, 0.1686** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **78.3892, 0.3540, 0.4799**, and the grayscale version is **26.9473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3005, 0.2904, 0.2330**, and **10.0316, 0.2216, 0.1318** is the 20% darker color. If you saturate the color by 10%, you get **19.7665, 0.2290, 0.1398**, and if you desaturate by 10%, it is **33.7304, 0.2600, 0.1995**.

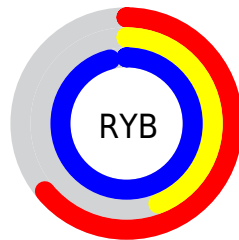
Distribution



Red (64%)

Green (44%)

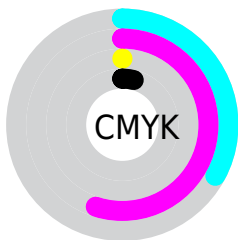
Blue (96%)



Red (64%)

Yellow (44%)

Blue (96%)

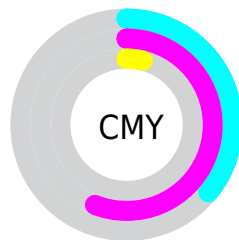


Cyan (33%)

Magenta (55%)

Yellow (0%)

Black (4%)



Cyan (36%)


Magenta (56%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.9152, 0.2447, 0.1686 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 25.9152, 0.2447, 0.1686 by changing the saturation by 10% instead.

 25.9152, 0.2447,
0.1686

 25.9152, 0.2447,
0.1686

282.3656, 0.2824,
0.2437

 16.7602, 0.2347,
0.1521


 53.1381, 0.2590,
0.1943


 10.0637, 0.2217,
0.1324


 71.9748, 0.2642,
0.2044

 5.4412, 0.2045,
0.1089


 94.8076, 0.2685,
0.2132

 2.5084, 0.1811,
0.0810

 122.0207, 0.2722,
0.2209

 0.8808, 0.1487,
0.0495

153.9987, 0.2753,
0.2276

 0.0000, 0.1061,
0.0000

191.1259, 0.2780,

 0.0000, 0.0000,

0.2336

0.0000

233.7867, 0.2803,
0.2389

■ 25.9152, 0.2447,
0.1686

■ 25.9152, 0.2447,
0.1686

■ 19.7665, 0.2290,
0.1398

■ 33.7304, 0.2600,
0.1995

■ 15.1507, 0.2136,
0.1148

■ 43.3260, 0.2743,
0.2310

■ 11.9168, 0.1993,
0.0954

■ 54.8085, 0.2872,
0.2615

■ 9.8798, 0.1870,
0.0822

■ 68.2753, 0.2986,
0.2904

■ 9.1600, 0.1815,
0.0773

■ 83.8168, 0.3085,
0.3170

99.1798, 0.3171,
0.3377

99.4317, 0.3179,
0.3377

Harmonies

Analogous

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



25.9152, 0.1626, 0.1536



25.9152, 0.2447, 0.1686



25.9152, 0.3702, 0.2115

Triad

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



25.9152, 0.2447, 0.1686



25.9152, 0.5291, 0.4321



25.9152, 0.1474, 0.3528

Complementary

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



25.9152, 0.2447, 0.1686



78.3892, 0.3540, 0.4799

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.



25.9152, 0.2253, 0.5109



25.9152, 0.2447, 0.1686



25.9152, 0.4426, 0.5208

Square

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



25.9152, 0.2447, 0.1686



25.9152, 0.5590, 0.3497



25.9152, 0.3337, 0.5747



25.9152, 0.1162, 0.2293

Rectangle

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



25.9152, 0.2447, 0.1686



25.9152, 0.4606, 0.2527



25.9152, 0.3337, 0.5747



25.9152, 0.1682, 0.4069

Sweetspot

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



25.9161, 0.2447, 0.1686



72.2688, 0.2973, 0.2871



48.7288, 0.2292, 0.2626



14.7961, 0.2951, 0.2813



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.



25.9161, 0.2447, 0.1686



20.7269, 0.2270, 0.1363



34.8921, 0.3042, 0.1929



16.2434, 0.3041, 0.3050



4.9662, 0.1831, 0.0782



0.4941, 0.1970, 0.0859

Inverse Universe

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



34.8210, 0.3740, 0.2443



31.7039, 0.3929, 0.2315



71.5356, 0.3124, 0.5017



16.6518, 0.3198, 0.3147



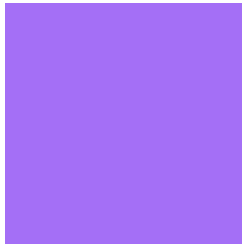
11.6546, 0.4508, 0.2257



1.0445, 0.4301, 0.2143

Previews

White Background



This preview shows how the Yxy color 25.9152, 0.2447, 0.1686 looks on a white background.

Color Contrast Check

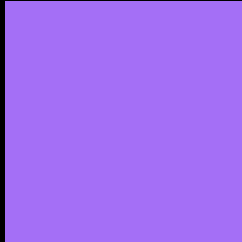
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.9152, 0.2447, 0.1686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

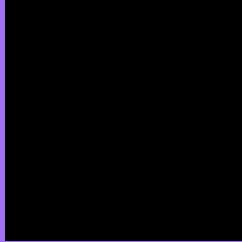
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.9152, 0.2447, 0.1686

Background



This preview shows how black text looks on a background with the Yxy color 25.9152, 0.2447, 0.1686.



This preview shows how white text looks on a background with the Yxy color 25.9152, 0.2447, 0.1686.

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

25.9152, 0.2447, 0.1686

Protanopia

26.1676, 0.1937, 0.1698

Deuteranopia

26.3652, 0.1950, 0.1887



Tritanopia

25.9272, 0.3102, 0.3128

Trichromacy



Original Color

25.9152, 0.2447, 0.1686



Protanomaly

25.2012, 0.2064, 0.1660



Deuteranomaly

25.0287, 0.2061, 0.1769



Tritanomaly

25.4365, 0.2828, 0.2478

Monochromacy



Original Color

25.9152, 0.2447, 0.1686



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

26.0119, 0.2847, 0.2560

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.9152, 0.2447, 0.1686 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(164, 111, 246)` looks like.

```
.text, #text, p{  
    color:rgb(164, 111, 246)  
}
```

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(164, 111, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 111, 246) }
```

Border

The CSS property to change the border of an element to Yxy 25.9152, 0.2447, 0.1686 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(164, 111, 246) }
```

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

```
.border{ border-color:rgb(164, 111, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 111, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 111, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 111, 246);  
box-shadow:4px 4px 4px 4px rgb(164, 111,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 25.9152, 0.2447, 0.1686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 111, 246) }
```

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

```
.background{ background-color: rgb(164,  
111, 246) }
```

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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