

# Converting Colors

$Y_{xy}(26.8269, 0.2438, 0.1731)$

Have a look what the booklet for  
Yxy(26.8269, 0.2438, 0.1731)  
contains.

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**Color**

**Yxy(26.8260, 0.2438, 0.1731)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A274F6
RGB	162, 116, 246
RGB Percent	64%, 45%, 96%
CMY	0.3646, 0.5451, 0.0353
CMYK	0.34, 0.53, 0.00, 0.04
HSL	261°, 88%, 71%
HSV	261°, 53%, 96%
XYZ	37.7827, 26.8260, 90.3653
YIQ	144.5740, -14.3140, 50.1820

# Conversions

## Conversions Part 2

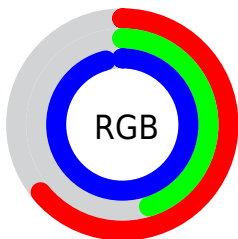
Format	Color
R <sub>Y</sub> B	162, 116, 246
Decimal	10646774
CIE Lab	58.81, 45.17, -58.96
CIE LCh	59, 74.276, 307.454
Yxy	26.8260, 0.2438, 0.1731
Android (android.graphics.Color)	4288836854 (0xFFA274F6)
YUV	144.5740, 50.0030, 15.2826
Hunter-Lab	51.7938, 39.5734, -67.1883

# Details

The Yxy color **26.8260, 0.2438, 0.1731** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **79.4379, 0.3565, 0.4727**, and the grayscale version is **27.9335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8116, 0.2889, 0.2377**, and **10.5738, 0.2208, 0.1376** is the 20% darker color. If you saturate the color by 10%, you get **20.3270, 0.2273, 0.1431**, and if you desaturate by 10%, it is **35.0381, 0.2598, 0.2048**.

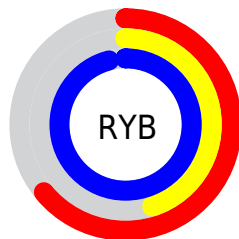
# Distribution



Red (64%)

Green (45%)

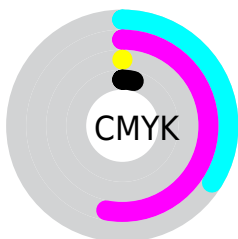
Blue (96%)



Red (64%)

Yellow (45%)

Blue (96%)

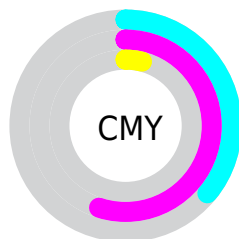


Cyan (34%)

Magenta (53%)

Yellow (0%)

Black (4%)



Cyan (36%)

Magenta (55%)


Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.8260, 0.2438, 0.1731 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 26.8260, 0.2438, 0.1731 by changing the saturation by 10% instead.





 26.8260, 0.2438,  
0.1731


 26.8260, 0.2438,  
0.1731

286.8137, 0.2816,  
0.2463


 17.4426, 0.2339,  
0.1569


 54.6045, 0.2580,  
0.1982

 10.5505, 0.2210,  
0.1376


 73.7684, 0.2633,  
0.2081

 5.7655, 0.2040,  
0.1142


 96.9613, 0.2676,  
0.2167

 2.7030, 0.1808,  
0.0864

124.5675, 0.2713,  
0.2241

 0.9787, 0.1488,  
0.0544

156.9714, 0.2744,  
0.2307

 0.0000, 0.1071,  
0.0000

194.5575, 0.2772,

 0.0000, 0.0000,

0.2365

0.0000

237.7101, 0.2795,  
0.2416

■ 26.8260, 0.2438,  
0.1731

■ 26.8260, 0.2438,  
0.1731

■ 20.3270, 0.2273,  
0.1431

■ 35.0381, 0.2598,  
0.2048

■ 15.4092, 0.2112,  
0.1168

■ 45.0760, 0.2746,  
0.2366

■ 11.9252, 0.1963,  
0.0957

■ 57.0457, 0.2880,  
0.2672

■ 9.6963, 0.1835,  
0.0811

■ 71.0443, 0.2999,  
0.2958

■ 8.6848, 0.1758,  
0.0742

■ 87.1621, 0.3101,  
0.3220

99.4331, 0.3179,  
0.3376

# Harmonies

## Analogous

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



26.8260, 0.1659, 0.1598



26.8260, 0.2438, 0.1731



26.8260, 0.3625, 0.2138

# Triad

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



26.8260, 0.2438, 0.1731



26.8260, 0.5243, 0.4279



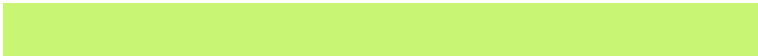
26.8260, 0.1566, 0.3587

# Complementary

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



26.8260, 0.2438, 0.1731



79.4379, 0.3565, 0.4727

# 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.



26.8260, 0.2344, 0.5053



26.8260, 0.2438, 0.1731



26.8260, 0.4442, 0.5118

# Square

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



26.8260, 0.2438, 0.1731



26.8260, 0.5477, 0.3482



26.8260, 0.3398, 0.5622



26.8260, 0.1235, 0.2382



# Rectangle

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



26.8260, 0.2438, 0.1731



26.8260, 0.4486, 0.2536



26.8260, 0.3398, 0.5622



26.8260, 0.1777, 0.4096

# Sweetspot

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



26.8270, 0.2438, 0.1731



72.0147, 0.2963, 0.2870



51.9017, 0.2331, 0.2712



14.7358, 0.2939, 0.2811



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.



26.8270, 0.2438, 0.1731



21.8903, 0.2269, 0.1424



35.3904, 0.3006, 0.1956



16.2122, 0.3035, 0.3049



4.7071, 0.1774, 0.0751



0.4691, 0.1911, 0.0826



# Inverse Universe

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



36.2480, 0.3653, 0.2422



33.4100, 0.3802, 0.2290



72.3571, 0.3150, 0.4936



16.6628, 0.3192, 0.3138



11.8195, 0.4356, 0.2173

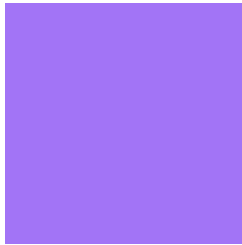


1.0583, 0.4174, 0.2073



# Previews

## White Background



This preview shows how the Yxy color 26.8260, 0.2438, 0.1731 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

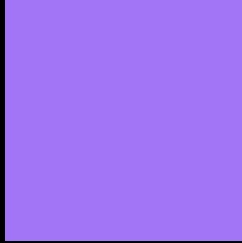
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 26.8260, 0.2438, 0.1731 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

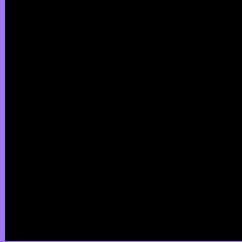
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 26.8260, 0.2438, 0.1731**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.8260, 0.2438, 0.1731.



This preview shows how white text looks on a background with the Yxy color 26.8260, 0.2438, 0.1731.

# 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

26.8260, 0.2438, 0.1731

### Protanopia

27.2818, 0.1970, 0.1745

### Deuteranopia

27.2383, 0.1984, 0.1925



## Tritanopia

26.7413, 0.3040, 0.3112

# Trichromacy



## Original Color

26.8260, 0.2438, 0.1731



## Protanomaly

26.4383, 0.2091, 0.1715



## Deuteranomaly

26.0694, 0.2091, 0.1816



## Tritanomaly

26.1673, 0.2784, 0.2480

# Monochromacy



## Original Color

26.8260, 0.2438, 0.1731



## Achromatopsia

28.3149, 0.3127, 0.3290



## Achromatomaly

27.0069, 0.2841, 0.2581

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.8260, 0.2438, 0.1731 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(162, 116, 246)` looks like.

```
.text, #text, p{  
    color:rgb(162, 116, 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(162, 116, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 116, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 26.8260, 0.2438, 0.1731 is called "border". The border property can be set on classes, ids or directly on the HTML element.

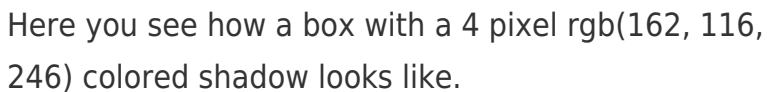
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(162, 116, 246) }
```

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

```
.border{ border-color:rgb(162, 116, 246) }
```

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



Here you see how a box with a 4 pixel `rgb(162, 116, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(162, 116, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(162, 116, 246); box-shadow:4px 4px 4px 4px rgb(162, 116, 246) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.8260, 0.2438, 0.1731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 116, 246) }
```

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

```
.background{ background-color: rgb(162,  
116, 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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