

Converting Colors

$Y_{xy}(26.3230, 0.2674, 0.1970)$

Have a look what the booklet for
Yxy(26.3230, 0.2674, 0.1970)
contains.

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Color

Yxy(26.3781, 0.2674, 0.1972)

Conversions

Conversions Part 1

Format	Color
Hex	A975DD
RGB	169, 117, 221
RGB Percent	66%, 46%, 87%
CMY	0.3374, 0.5411, 0.1333
CMYK	0.24, 0.47, 0.00, 0.13
HSL	270°, 60%, 66%
HSV	270°, 47%, 87%
XYZ	35.7683, 26.3781, 71.6168
YIQ	144.4040, -2.3920, 43.3680

Conversions

Conversions Part 2

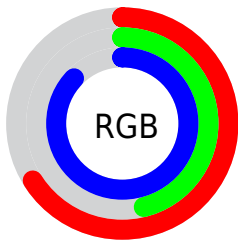
Format	Color
R _Y B	169, 117, 221
Decimal	11105757
CIE Lab	58.39, 40.32, -45.67
CIE LCh	58, 60.920, 311.442
Yxy	26.3781, 0.2674, 0.1972
Android (android.graphics.Color)	4289295837 (0xFFA975DD)
YUV	144.4040, 37.7618, 21.5707
Hunter-Lab	51.3596, 34.4331, -46.7234

Details

The Yxy color **26.3781, 0.2674, 0.1972** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **61.4439, 0.3412, 0.4613**, and the grayscale version is **27.9071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.1382, 0.2936, 0.2400**, and **10.3083, 0.2506, 0.1641** is the 20% darker color. If you saturate the color by 10%, you get **20.6498, 0.2546, 0.1684**, and if you desaturate by 10%, it is **33.4276, 0.2793, 0.2270**.

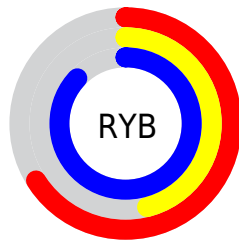
Distribution



Red (66%)

Green (46%)

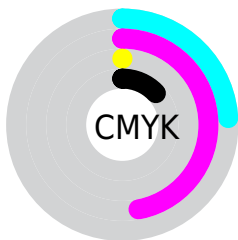
Blue (87%)



Red (66%)

Yellow (46%)

Blue (87%)

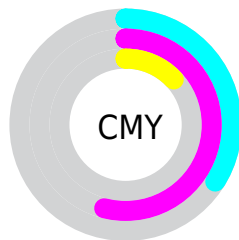


Cyan (24%)

Magenta (47%)

Yellow (0%)

Black (13%)



Cyan (34%)


Magenta (54%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.3781, 0.2674, 0.1972 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 26.3781, 0.2674, 0.1972 by changing the saturation by 10% instead.


 26.3781, 0.2674,
0.1972


 26.3781, 0.2674,
0.1972


284.6332, 0.2932,
0.2613


 17.1067, 0.2601,
0.1822

 53.8843, 0.2774,
0.2198

 10.3106, 0.2504,
0.1637


 72.8879, 0.2810,
0.2286

 5.6054, 0.2370,
0.1405


 95.9043, 0.2840,
0.2360

 2.6066, 0.2175,
0.1112

123.3180, 0.2864,
0.2425

 0.9300, 0.1879,
0.0746

155.5134, 0.2885,
0.2481

 0.0000, 0.1461,
0.0000

192.8748, 0.2903,

 0.0000, 0.0000,

0.2530

0.0000

235.7866, 0.2919,
0.2574

■ 26.3781, 0.2674,
0.1972

■ 26.3781, 0.2674,
0.1972

■ 20.6498, 0.2546,
0.1684

■ 33.4276, 0.2793,
0.2270

■ 16.1502, 0.2413,
0.1421

■ 41.8760, 0.2901,
0.2566

■ 12.7793, 0.2281,
0.1198

■ 51.7987, 0.2995,
0.2849

■ 10.4192, 0.2156,
0.1026

■ 63.2643, 0.3077,
0.3115

■ 8.9162, 0.2042,
0.0910

■ 76.3375, 0.3146,
0.3360

■ 8.5605, 0.2011,
0.0881

■ 91.0788, 0.3205,
0.3582

■ 96.4049, 0.3272,
0.3627

■ 98.0008, 0.3327,
0.3621

Harmonies

Analogous

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



26.3781, 0.1935, 0.1822



26.3781, 0.2674, 0.1972



26.3781, 0.3699, 0.2368

Triad

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



26.3781, 0.2674, 0.1972



26.3781, 0.4898, 0.4321



26.3781, 0.1743, 0.3403

Complementary

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



26.3781, 0.2674, 0.1972



61.4439, 0.3412, 0.4613

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.



26.3781, 0.2392, 0.4567



26.3781, 0.2674, 0.1972



26.3781, 0.4207, 0.4967

Square

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



26.3781, 0.2674, 0.1972



26.3781, 0.5120, 0.3613



26.3781, 0.3298, 0.5192



26.3781, 0.1472, 0.2456

Rectangle

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



26.3781, 0.2674, 0.1972



26.3781, 0.4385, 0.2739



26.3781, 0.3298, 0.5192



26.3781, 0.1919, 0.3797

Sweetspot

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



26.3791, 0.2674, 0.1972



76.0668, 0.3021, 0.2930



38.0348, 0.2377, 0.2590



15.5752, 0.3002, 0.2870



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.



26.3791, 0.2674, 0.1972



28.9841, 0.2554, 0.1701



33.0512, 0.3163, 0.2146



12.9350, 0.3059, 0.3054



5.0400, 0.2027, 0.0890



0.3777, 0.2204, 0.0988

Inverse Universe

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



30.9682, 0.3751, 0.2679



36.3397, 0.3941, 0.2572



56.9058, 0.3068, 0.4764



13.1597, 0.3214, 0.3174



9.6146, 0.4947, 0.2499



0.6403, 0.4588, 0.2301

Previews

White Background



This preview shows how the Yxy color 26.3781, 0.2674, 0.1972 looks on a white background.

Color Contrast Check

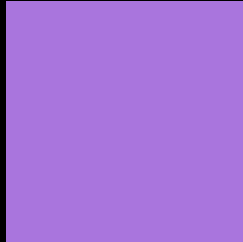
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.3781, 0.2674, 0.1972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

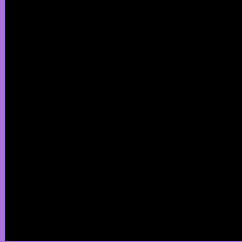
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.3781, 0.2674, 0.1972

Background



This preview shows how black text looks on a background with the Yxy color 26.3781, 0.2674, 0.1972.

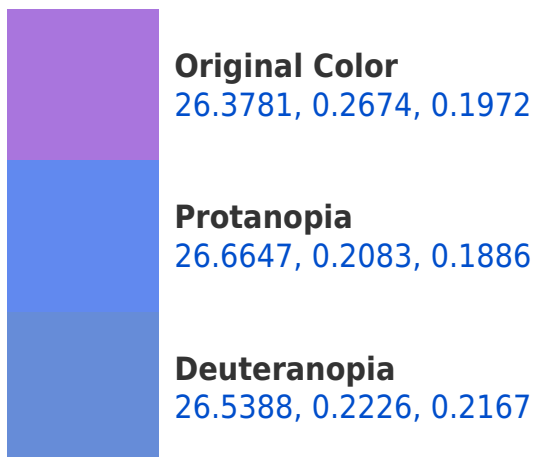


This preview shows how white text looks on a background with the Yxy color 26.3781, 0.2674, 0.1972.

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

26.4402, 0.3258, 0.3134

Trichromacy



Original Color

26.3781, 0.2674, 0.1972

Protanomaly

26.0024, 0.2251, 0.1905

Deuteranomaly

26.0001, 0.2355, 0.2075

Tritanomaly

26.0325, 0.3027, 0.2630

Monochromacy



Original Color

26.3781, 0.2674, 0.1972

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

26.8011, 0.2953, 0.2719

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.3781, 0.2674, 0.1972 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(169, 117, 221)` looks like.

```
.text, #text, p{  
    color:rgb(169, 117, 221)  
}
```

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(169, 117, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 117, 221) }
```

Border

The CSS property to change the border of an element to Yxy 26.3781, 0.2674, 0.1972 is called "border". The border property can be set on classes, ids or directly on the HTML element.

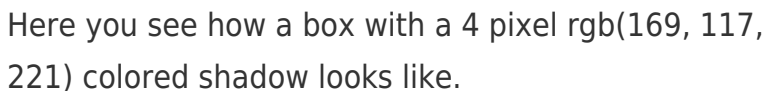
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(169, 117, 221) }
```

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

```
.border{ border-color:rgb(169, 117, 221) }
```

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



Here you see how a box with a 4 pixel `rgb(169, 117, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 117, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 117, 221); box-shadow:4px 4px 4px 4px rgb(169, 117, 221) }
```


Background

The CSS property to change the background color of an element to Yxy 26.3781, 0.2674, 0.1972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 117, 221) }
```

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

```
.background{ background-color: rgb(169,  
117, 221) }
```

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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