

# Converting Colors

$Y_{xy}(28.3894, 0.2814, 0.2487)$

Have a look what the booklet for  
Yxy(28.3894, 0.2814, 0.2487)  
contains.

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# Color

**Yxy(28.3018, 0.2814, 0.2482)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9D87C0
RGB	157, 135, 192
RGB Percent	62%, 53%, 75%
CMY	0.3842, 0.4706, 0.2471
CMYK	0.18, 0.30, 0.00, 0.25
HSL	263°, 31%, 64%
HSV	263°, 30%, 75%
XYZ	32.0875, 28.3018, 53.6389
YIQ	148.0760, -5.1850, 22.3910

# Conversions

## Conversions Part 2

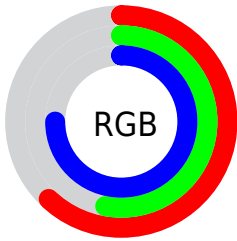
<b>Format</b>	<b>Color</b>
<b>RYB</b>	157, 135, 192
Decimal	10323904
CIELab	60.16, 19.87, -26.65
CIElCh	60, 33.241, 306.719
Yxy	28.3018, 0.2814, 0.2482
Android (android.graphics.Color)	4288513984 (0xFF9D87C0)
YUV	148.0760, 21.6545, 7.8263
Hunter-Lab	53.1994, 14.5643, -22.5401

# Details

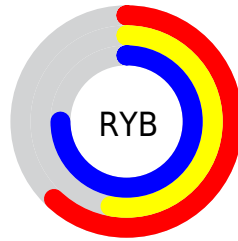
The Yxy color **28.3018, 0.2814, 0.2482** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **47.9882, 0.3376, 0.4072**, and the grayscale version is **29.5592, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8030, 0.2877, 0.2626**, and **11.3352, 0.2705, 0.2244** is the 20% darker color. If you saturate the color by 10%, you get **22.2919, 0.2680, 0.2175**, and if you desaturate by 10%, it is **35.3942, 0.2934, 0.2775**.

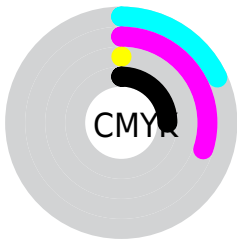
# Distribution



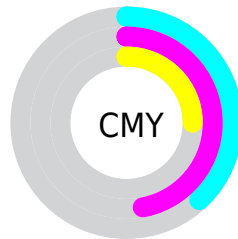
- Red (62%)
- Green (53%)
- Blue (75%)



- Red (62%)
- Yellow (53%)
- Blue (75%)



- Cyan (18%)
- Magenta (30%)
- Yellow (0%)
- Black (25%)



- Cyan (38%)
- Magenta (47%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.3018, 0.2814, 0.2482 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 28.3018, 0.2814, 0.2482 by changing the saturation by 10% instead.



■ 28.3018, 0.2814,  
0.2482

■ 28.3018, 0.2814,  
0.2482

■ 293.9062, 0.2988,  
0.2896

■ 18.5533, 0.2765,  
0.2377

■ 56.9659, 0.2881,  
0.2634

■ 11.3479, 0.2699,  
0.2241

■ 76.6503, 0.2905,  
0.2691

■ 6.3014, 0.2605,  
0.2060

■ 100.4155, 0.2925,  
0.2738

■ 3.0292, 0.2464,  
0.1809

■ 128.6457, 0.2942,  
0.2779

■ 1.1470, 0.2232,  
0.1443

■ 161.7256, 0.2956,  
0.2814

■ 0.0178, 0.1843,  
0.0065

■ 200.0393, 0.2968,

■ 0.0000, 0.0000,

0.2845

0.0000

243.9714, 0.2978,  
0.2872

■ 28.3018, 0.2814,  
0.2482

■ 28.3018, 0.2814,  
0.2482

■ 22.2919, 0.2680,  
0.2175

■ 35.3942, 0.2934,  
0.2775

■ 17.3060, 0.2533,  
0.1865

■ 43.6169, 0.3039,  
0.3048

■ 13.2849, 0.2379,  
0.1566

■ 53.0188, 0.3130,  
0.3297

■ 10.1620, 0.2223,  
0.1294

■ 63.6448, 0.3207,  
0.3522

■ 7.8617, 0.2074,  
0.1066

■ 75.5378, 0.3272,  
0.3724

■ 6.2953, 0.1940,  
0.0896

■ 88.7382, 0.3327,  
0.3902

■ 5.2986, 0.1824,  
0.0780

■ 93.7571, 0.3398,  
0.3931

■ 5.2712, 0.1821,  
0.0777

■ 95.8793, 0.3477,  
0.3915

■ 96.5857, 0.3502,  
0.3910

# Harmonies

## Analogous

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



28.3018, 0.2391, 0.2428



28.3018, 0.2814, 0.2482



28.3018, 0.3363, 0.2710

# Triad

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



28.3018, 0.2814, 0.2482



28.3018, 0.4174, 0.3904



28.3018, 0.2401, 0.3472

# Complementary

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



28.3018, 0.2814, 0.2482



47.9882, 0.3376, 0.4072

# 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.



28.3018, 0.2833, 0.3996



28.3018, 0.2814, 0.2482



28.3018, 0.3863, 0.4213

# Square

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



28.3018, 0.2814, 0.2482



28.3018, 0.4190, 0.3488



28.3018, 0.3369, 0.4274



28.3018, 0.2169, 0.2942



# Rectangle

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



28.3018, 0.2814, 0.2482



28.3018, 0.3726, 0.2936



28.3018, 0.3369, 0.4274



28.3018, 0.2526, 0.3660

# Sweetspot

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



28.3030, 0.2814, 0.2482



79.9090, 0.3045, 0.3062



37.7598, 0.2669, 0.2972



16.6419, 0.3030, 0.3024



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.3030, 0.2814, 0.2482



43.5806, 0.2723, 0.2272



31.4888, 0.3094, 0.2546



9.9336, 0.3042, 0.3056



3.5889, 0.1834, 0.0784



0.1948, 0.2096, 0.0928



# Inverse Universe

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



31.4323, 0.3387, 0.2827



50.3370, 0.3467, 0.2717



45.1664, 0.3139, 0.4132



10.1794, 0.3195, 0.3150



8.4326, 0.4470, 0.2236

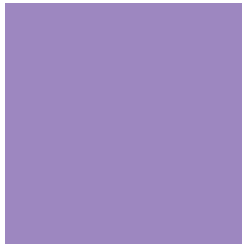


0.3775, 0.4117, 0.2042



# Previews

## White Background



This preview shows how the Yxy color 28.3018, 0.2814, 0.2482 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

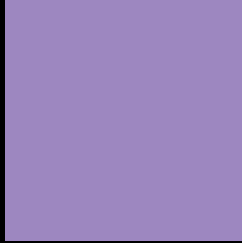
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 28.3018, 0.2814, 0.2482 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

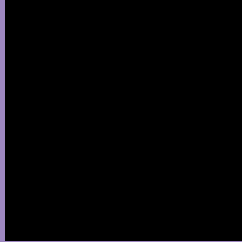
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 28.3018, 0.2814, 0.2482**

## **Background**



This preview shows how black text looks on a background with the Yxy color 28.3018, 0.2814, 0.2482.



This preview shows how white text looks on a background with the Yxy color 28.3018, 0.2814, 0.2482.

# 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

28.3018, 0.2814, 0.2482

### Protanopia

28.3893, 0.2531, 0.2472

### Deuteranopia

28.5135, 0.2639, 0.2585



## Tritanopia

28.1631, 0.3094, 0.3103

# Trichromacy



## Original Color

28.3018, 0.2814, 0.2482

## Protanomaly

28.2307, 0.2623, 0.2470

## Deuteranomaly

28.3574, 0.2697, 0.2540

## Tritanomaly

28.0647, 0.2991, 0.2852

# Monochromacy



## Original Color

28.3018, 0.2814, 0.2482

## Achromatopsia

29.6138, 0.3127, 0.3290

## Achromatomaly

28.9046, 0.3008, 0.2969

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.3018, 0.2814, 0.2482 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(157, 135, 192)` looks like.

```
.text, #text, p{  
    color:rgb(157, 135, 192)  
}
```

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(157, 135, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 135, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 28.3018, 0.2814, 0.2482 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(157, 135, 192) }
```

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

```
.border{ border-color:rgb(157, 135, 192) }
```

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

Here you see how a box with a 4 pixel rgb(157, 135, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 135, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 135, 192);  
box-shadow:4px 4px 4px 4px rgb(157, 135,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.3018, 0.2814, 0.2482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 135, 192) }
```

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

```
.background{ background-color: rgb(157,  
135, 192) }
```

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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