

# Converting Colors

$Y_{xy}(28.8426, 0.2733, 0.1758)$

Have a look what the booklet for  
Yxy(28.8426, 0.2733, 0.1758)  
contains.

<b>Yxy(28.8322, 0.2732, 0.1758)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(28.8322, 0.2732, 0.1758)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C56AF6
RGB	197, 106, 246
RGB Percent	77%, 42%, 96%
CMY	0.2275, 0.5842, 0.0354
CMYK	0.20, 0.57, 0.00, 0.04
HSL	279°, 89%, 69%
HSV	279°, 57%, 96%
XYZ	44.8064, 28.8322, 90.3671
YIQ	149.1690, 9.2960, 62.8320

# Conversions

## Conversions Part 2

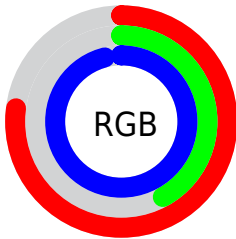
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	197, 106, 246
Decimal	12937974
CIE Lab	60.63, 58.82, -55.83
CIE LCh	61, 81.096, 316.497
Yxy	28.8322, 0.2732, 0.1758
Android (android.graphics.Color)	4291128054 (0xFFC56AF6)
YUV	149.1690, 47.7377, 41.9478
Hunter-Lab	53.6956, 54.9821, -62.1953

# Details

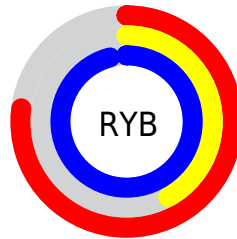
The Yxy color **28.8322, 0.2732, 0.1758** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **73.9042, 0.3309, 0.4984**, and the grayscale version is **29.9249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9697, 0.3170, 0.2375**, and **11.7056, 0.2582, 0.1424** is the 20% darker color. If you saturate the color by 10%, you get **23.3394, 0.2637, 0.1522**, and if you desaturate by 10%, it is **35.8472, 0.2822, 0.2022**.

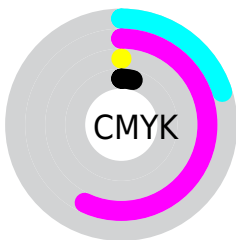
# Distribution



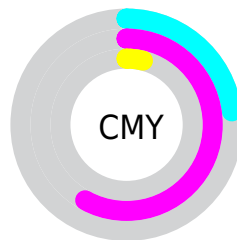
- Red (77%)
- Green (42%)
- Blue (96%)



- Red (77%)
- Yellow (42%)
- Blue (96%)



- Cyan (20%)
- Magenta (57%)
- Yellow (0%)
- Black (4%)




- Cyan (23%)
- Magenta (58%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.8322, 0.2732, 0.1758 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 28.8322, 0.2732, 0.1758 by changing the saturation by 10% instead.





 28.8322, 0.2732,  
0.1758


 28.8322, 0.2732,  
0.1758


296.4224, 0.2966,  
0.2464

 18.9539, 0.2666,  
0.1604


 57.8104, 0.2823,  
0.1999


 11.6370, 0.2579,  
0.1420


 77.6791, 0.2856,  
0.2094

 6.4970, 0.2459,  
0.1198


 101.6467, 0.2883,  
0.2176

 3.1496, 0.2289,  
0.0931

 130.0976, 0.2905,  
0.2248

 1.2103, 0.2038,  
0.0620

163.4162, 0.2924,  
0.2312

 0.0701, 0.1695,  
0.0070

201.9870, 0.2940,

 0.0000, 0.0981,

0.2368

0.0000

246.1943, 0.2954,  
0.2419

 0.0000, 0.0000,  
0.0000


 28.8322, 0.2732,  
0.1758


 28.8322, 0.2732,  
0.1758

 23.3394, 0.2637,  
0.1522


 35.8472, 0.2822,  
0.2022

 19.2362, 0.2541,  
0.1326


 44.4949, 0.2904,  
0.2300


 16.3724, 0.2447,  
0.1179


 54.8793, 0.2977,  
0.2581


 14.5556, 0.2357,  
0.1082

 67.0947, 0.3041,  
0.2857

 14.1115, 0.2330,  
0.1057

 81.2284, 0.3095,  
0.3119

 97.3620, 0.3140,  
0.3364

 99.4319, 0.3179,  
0.3376

# Harmonies

## Analogous

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



28.8322, 0.1782, 0.1532



28.8322, 0.2732, 0.1758



28.8322, 0.4075, 0.2255

# Triad

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



28.8322, 0.2732, 0.1758



28.8322, 0.5119, 0.4556



28.8322, 0.1333, 0.3137

# Complementary

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



28.8322, 0.2732, 0.1758



73.9042, 0.3309, 0.4984

# 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.



28.8322, 0.1993, 0.4753



28.8322, 0.2732, 0.1758



28.8322, 0.4156, 0.5432

# Square

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



28.8322, 0.2732, 0.1758



28.8322, 0.5615, 0.3698



28.8322, 0.3038, 0.5756



28.8322, 0.1129, 0.2070



# Rectangle

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



28.8322, 0.2732, 0.1758



28.8322, 0.4935, 0.2698



28.8322, 0.3038, 0.5756



28.8322, 0.1498, 0.3646

# Sweetspot

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



28.8334, 0.2732, 0.1758



72.6267, 0.3040, 0.2853



33.9468, 0.2161, 0.2115



14.9399, 0.3028, 0.2798



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.



28.8334, 0.2732, 0.1758



24.7033, 0.2626, 0.1496



35.4642, 0.3371, 0.2095



16.4611, 0.3082, 0.3053



7.6154, 0.2344, 0.1065



0.7265, 0.2453, 0.1125



# Inverse Universe

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



32.2681, 0.4230, 0.2782



29.1965, 0.4588, 0.2726



70.4313, 0.2964, 0.4903



16.5783, 0.3238, 0.3207



10.8415, 0.5578, 0.2847

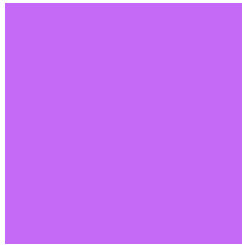


0.9716, 0.5231, 0.2655



# Previews

## White Background



This preview shows how the Yxy color 28.8322, 0.2732, 0.1758 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

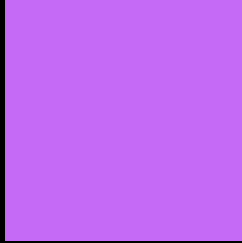
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 28.8322, 0.2732, 0.1758 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

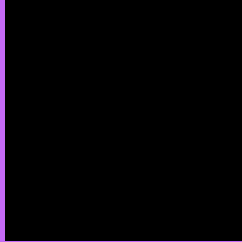
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 28.8322, 0.2732, 0.1758**

## **Background**



This preview shows how black text looks on a background with the Yxy color 28.8322, 0.2732, 0.1758.

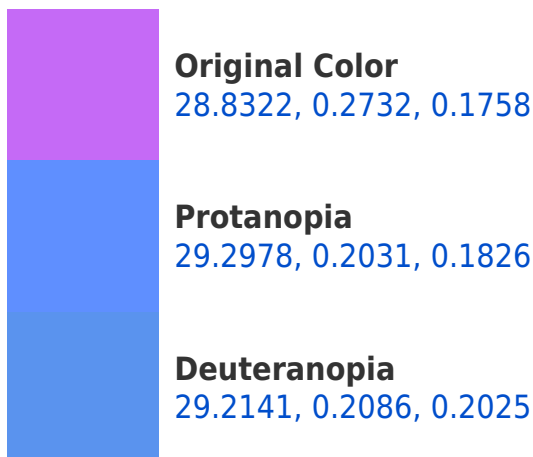


This preview shows how white text looks on a background with the Yxy color 28.8322, 0.2732, 0.1758.

# 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

28.6124, 0.3558, 0.3134

# Trichromacy



## Original Color

28.8322, 0.2732, 0.1758



## Protanomaly

27.8991, 0.2211, 0.1759



## Deuteranomaly

27.5205, 0.2250, 0.1866



## Tritanomaly

28.0669, 0.3229, 0.2523

# Monochromacy



## Original Color

28.8322, 0.2732, 0.1758



## Achromatopsia

30.0544, 0.3127, 0.3290



## Achromatomaly

28.3427, 0.2973, 0.2572

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.8322, 0.2732, 0.1758 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(197, 106, 246)` looks like.

```
.text, #text, p{  
    color:rgb(197, 106, 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(197, 106, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 106, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 28.8322, 0.2732, 0.1758 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(197, 106, 246) }
```

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

```
.border{ border-color:rgb(197, 106, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 106, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 106, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 106, 246);  
box-shadow:4px 4px 4px 4px rgb(197, 106,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.8322, 0.2732, 0.1758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 106, 246) }
```

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

```
.background{ background-color: rgb(197,  
106, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor