

# Converting Colors

$Y_{xy}(26.8158, 0.2673, 0.1592)$

Have a look what the booklet for  
Yxy(26.8158, 0.2673, 0.1592)  
contains.

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**Color**

**Yxy(26.8158, 0.2673, 0.1592)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C65CFE
RGB	198, 92, 254
RGB Percent	78%, 36%, 100%
CMY	0.2232, 0.6395, 0.0038
CMYK	0.22, 0.64, 0.00, 0.00
HSL	279°, 99%, 68%
HSV	279°, 64%, 100%
XYZ	45.0243, 26.8158, 96.6009
YIQ	142.1620, 11.1740, 72.8540

# Conversions

## Conversions Part 2

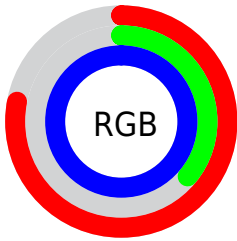
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	198, 92, 254
Decimal	12999934
CIE <sub>Lab</sub>	58.80, 67.34, -63.21
CIE <sub>LCh</sub>	59, 92.356, 316.813
Y <sub>xy</sub>	26.8158, 0.2673, 0.1592
Android (android.graphics.Color)	4291190014 (0xFFC65CFE)
YUV	142.1620, 55.1361, 48.9699
Hunter-Lab	51.7840, 64.5773, -74.3543

# Details

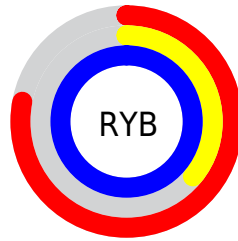
The Yxy color **26.8158, 0.2673, 0.1592** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **77.9659, 0.3303, 0.5195**, and the grayscale version is **26.8866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6598, 0.3176, 0.2257**, and **10.5409, 0.2504, 0.1241** is the 20% darker color. If you saturate the color by 10%, you get **21.9746, 0.2578, 0.1384**, and if you desaturate by 10%, it is **33.2025, 0.2765, 0.1837**.

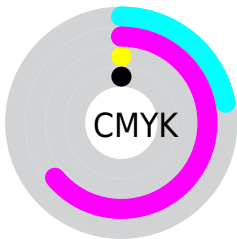
# Distribution



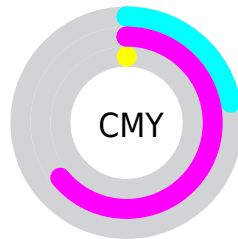
- Red (78%)
- Green (36%)
- Blue (100%)



- Red (78%)
- Yellow (36%)
- Blue (100%)



- Cyan (22%)
- Magenta (64%)
- Yellow (0%)
- Black (0%)




- Cyan (22%)
- Magenta (64%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.8158, 0.2673, 0.1592 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 26.8158, 0.2673, 0.1592 by changing the saturation by 10% instead.





 26.8158, 0.2673,  
0.1592


 26.8158, 0.2673,  
0.1592


286.7642, 0.2944,  
0.2361


 17.4349, 0.2597,  
0.1429


 54.5881, 0.2779,  
0.1850


 10.5451, 0.2497,  
0.1238


 73.7484, 0.2817,  
0.1953

 5.7618, 0.2361,  
0.1012


 96.9373, 0.2848,  
0.2043

 2.7008, 0.2171,  
0.0751

 124.5391, 0.2874,  
0.2122

 0.9776, 0.1898,  
0.0461

156.9383, 0.2895,  
0.2192

 0.0000, 0.1528,  
0.0000

194.5193, 0.2914,

 0.0000, 0.0856,

0.2255

0.0000

237.6664, 0.2930,  
0.2310

■ 0.0000, 0.0000,  
0.0000

■ 26.8158, 0.2673,  
0.1592

■ 26.8158, 0.2673,  
0.1592

■ 21.9746, 0.2578,  
0.1384

■ 33.2025, 0.2765,  
0.1837

■ 18.5204, 0.2484,  
0.1222

■ 41.2657, 0.2852,  
0.2106

■ 16.2647, 0.2393,  
0.1111

■ 51.1258, 0.2930,  
0.2386

■ 15.3017, 0.2340,  
0.1063

■ 62.8908, 0.3000,  
0.2667

■ 76.6604, 0.3059,  
0.2939

92.5268, 0.3110,  
0.3196

99.9382, 0.3133,  
0.3299

# Harmonies

## Analogous

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



26.8158, 0.1626, 0.1348



26.8158, 0.2673, 0.1592



26.8158, 0.4228, 0.2127

# Triad

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



26.8158, 0.2673, 0.1592



26.8158, 0.5274, 0.4589



26.8158, 0.1108, 0.3050

# Complementary

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



26.8158, 0.2673, 0.1592



77.9659, 0.3303, 0.5195

# 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.



26.8158, 0.1787, 0.5015



26.8158, 0.2673, 0.1592



26.8158, 0.4150, 0.5659

# Square

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



26.8158, 0.2673, 0.1592



26.8158, 0.5924, 0.3643



26.8158, 0.2914, 0.6192



26.8158, 0.0926, 0.1875



# Rectangle

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



26.8158, 0.2673, 0.1592



26.8158, 0.5234, 0.2599



26.8158, 0.2914, 0.6192



26.8158, 0.1272, 0.3651

# Sweetspot

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



26.8168, 0.2673, 0.1592



69.8525, 0.3030, 0.2799



30.8206, 0.2039, 0.1905



14.1215, 0.3012, 0.2721



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.



26.8168, 0.2673, 0.1592



20.9039, 0.2548, 0.1327



34.4184, 0.3436, 0.2006



17.9681, 0.3082, 0.3052



8.1495, 0.2354, 0.1070



0.8541, 0.2452, 0.1124



# Inverse Universe

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



30.8556, 0.4461, 0.2750



25.8697, 0.4910, 0.2727



74.4468, 0.2944, 0.5093



18.0906, 0.3240, 0.3208



11.5024, 0.5602, 0.2859

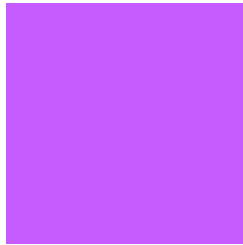


1.1396, 0.5285, 0.2685



# Previews

## White Background



This preview shows how the Yxy color 26.8158, 0.2673, 0.1592 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

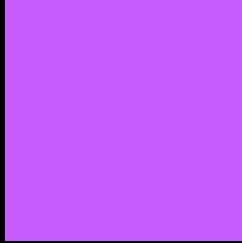
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 26.8158, 0.2673, 0.1592 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

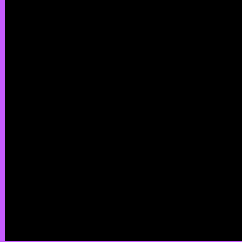
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 26.8158, 0.2673, 0.1592**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.8158, 0.2673, 0.1592.



This preview shows how white text looks on a background with the Yxy color 26.8158, 0.2673, 0.1592.

# 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

26.8158, 0.2673, 0.1592

### Protanopia

27.2360, 0.1966, 0.1744

### Deuteranopia

27.2007, 0.1945, 0.1880



## Tritanopia

26.5686, 0.3635, 0.3146

# Trichromacy



## Original Color

26.8158, 0.2673, 0.1592



## Protanomaly

25.2547, 0.2133, 0.1616



## Deuteranomaly

24.5721, 0.2086, 0.1669



## Tritanomaly

25.7690, 0.3237, 0.2417

# Monochromacy



## Original Color

26.8158, 0.2673, 0.1592



## Achromatopsia

27.0498, 0.3127, 0.3290



## Achromatomaly

25.5156, 0.2940, 0.2447

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.8158, 0.2673, 0.1592 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(198, 92, 254)` looks like.

```
.text, #text, p{  
    color:rgb(198, 92, 254)  
}
```

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(198, 92, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 92, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 26.8158, 0.2673, 0.1592 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(198, 92, 254) }
```

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

```
.border{ border-color:rgb(198, 92, 254) }
```

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

Here you see how a box with a 4 pixel rgb(198, 92, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 92, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 92, 254);  
box-shadow:4px 4px 4px 4px rgb(198, 92,  
254) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.8158, 0.2673, 0.1592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 92, 254) }
```

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

```
.background{ background-color: rgb(198, 92,  
254) }
```

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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