

# Converting Colors

$Y_{xy}(28.8135, 0.2614, 0.1681)$

Have a look what the booklet for  
Yxy(28.8135, 0.2614, 0.1681)  
contains.

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# Color

**Yxy(28.8118, 0.2613, 0.1681)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BF6BFF
RGB	191, 107, 255
RGB Percent	75%, 42%, 100%
CMY	0.2511, 0.5803, 0.0000
CMYK	0.25, 0.58, 0.00, 0.00
HSL	274°, 100%, 71%
HSV	274°, 58%, 100%
XYZ	44.7860, 28.8118, 97.7990
YIQ	148.9880, 2.5560, 63.8360

# Conversions

## Conversions Part 2

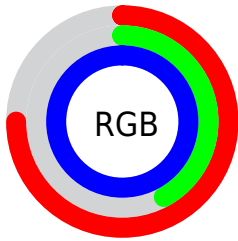
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	191, 107, 255
Decimal	12545023
CIE Lab	60.62, 58.84, -60.87
CIE LCh	61, 84.664, 314.027
Yxy	28.8118, 0.2613, 0.1681
Android (android.graphics.Color)	4290735103 (0xFFBF6BFF)
YUV	148.9880, 52.2639, 36.8445
Hunter-Lab	53.6766, 55.0003, -70.4530

# Details

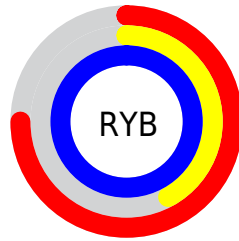
The Yxy color **28.8118, 0.2613, 0.1681** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **81.2385, 0.3385, 0.4980**, and the grayscale version is **29.8275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.3847, 0.3129, 0.2373**, and **11.5640, 0.2430, 0.1336** is the 20% darker color. If you saturate the color by 10%, you get **22.8788, 0.2496, 0.1433**, and if you desaturate by 10%, it is **36.4219, 0.2726, 0.1957**.

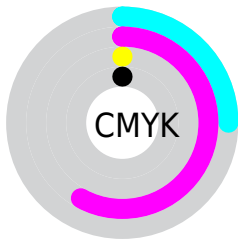
# Distribution



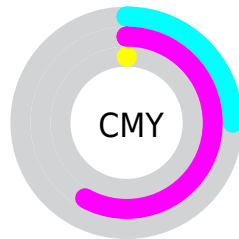
- Red (75%)
- Green (42%)
- Blue (100%)



- Red (75%)
- Yellow (42%)
- Blue (100%)



- Cyan (25%)
- Magenta (58%)
- Yellow (0%)
- Black (0%)




- Cyan (25%)
- Magenta (58%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.8118, 0.2613, 0.1681 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 28.8118, 0.2613, 0.1681 by changing the saturation by 10% instead.





 28.8118, 0.2613,  
0.1681


 28.8118, 0.2613,  
0.1681


296.3259, 0.2906,  
0.2414


 18.9385, 0.2534,  
0.1524


 57.7779, 0.2725,  
0.1929


 11.6258, 0.2430,  
0.1337

 77.6396, 0.2766,  
0.2027

 6.4895, 0.2291,  
0.1116


 101.5994, 0.2800,  
0.2113

 3.1449, 0.2100,  
0.0854

 130.0419, 0.2828,  
0.2188

 1.2079, 0.1828,  
0.0555

163.3514, 0.2852,  
0.2255

 0.0681, 0.1465,  
0.0059

201.9123, 0.2873,


 0.0000, 0.0803,


0.2314


0.0000


246.1090, 0.2891,  
0.2367

 0.0000, 0.0000,  
0.0000


 28.8118, 0.2613,  
0.1681


 28.8118, 0.2613,  
0.1681


 22.8788, 0.2496,  
0.1433


 36.4219, 0.2726,  
0.1957


 18.4750, 0.2378,  
0.1227


 45.8331, 0.2830,  
0.2247


 15.4311, 0.2266,  
0.1072

 57.1611, 0.2924,  
0.2539

 13.5167, 0.2162,  
0.0971

 70.5109, 0.3007,  
0.2821

 13.2084, 0.2143,  
0.0954

 85.9797, 0.3078,  
0.3089

99.9993, 0.3127,  
0.3290

# Harmonies

## Analogous

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



28.8118, 0.1679, 0.1474



28.8118, 0.2613, 0.1681



28.8118, 0.3990, 0.2168

# Triad

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



28.8118, 0.2613, 0.1681



28.8118, 0.5235, 0.4489



28.8118, 0.1308, 0.3244

# Complementary

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



28.8118, 0.2613, 0.1681



81.2385, 0.3385, 0.4980

# 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.



28.8118, 0.2018, 0.4963



28.8118, 0.2613, 0.1681



28.8118, 0.4254, 0.5426

# Square

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



28.8118, 0.2613, 0.1681



28.8118, 0.5711, 0.3617



28.8118, 0.3107, 0.5889



28.8118, 0.1074, 0.2082



# Rectangle

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



28.8118, 0.2613, 0.1681



28.8118, 0.4914, 0.2611



28.8118, 0.3107, 0.5889



28.8118, 0.1487, 0.3796

# Sweetspot

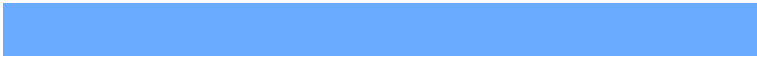
The Sweet Spot groups the original color and five complimentary colors.



28.8129, 0.2613, 0.1681



72.0068, 0.3015, 0.2850



39.5271, 0.2169, 0.2215



14.7932, 0.2999, 0.2794



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.



28.8129, 0.2613, 0.1681



21.8956, 0.2472, 0.1389



38.3793, 0.3282, 0.1999



17.8863, 0.3068, 0.3051



6.9923, 0.2159, 0.0963



0.7454, 0.2273, 0.1026



# Inverse Universe

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



34.7211, 0.4111, 0.2651



28.8222, 0.4439, 0.2576



75.9225, 0.3001, 0.5061



18.1176, 0.3226, 0.3188



11.7295, 0.5249, 0.2665

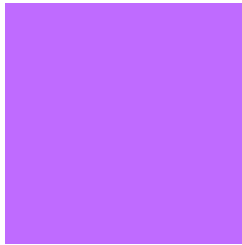


1.1635, 0.4961, 0.2506



# Previews

## White Background



This preview shows how the Yxy color 28.8118, 0.2613, 0.1681 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

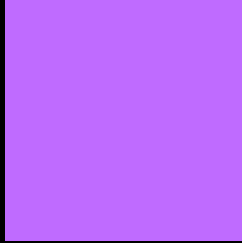
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 28.8118, 0.2613, 0.1681 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

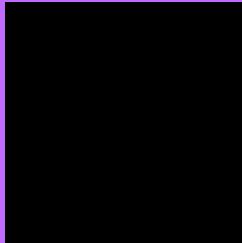
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 28.8118, 0.2613, 0.1681**

## Background



This preview shows how black text looks on a background with the Yxy color 28.8118, 0.2613, 0.1681.

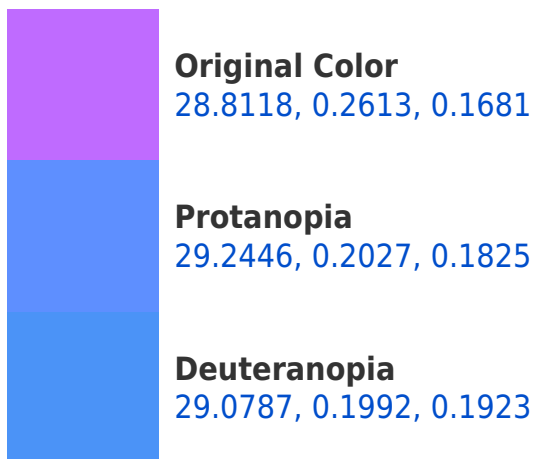


This preview shows how white text looks on a background with the Yxy color 28.8118, 0.2613, 0.1681.

# 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

28.5991, 0.3426, 0.3130

# Trichromacy



## Original Color

28.8118, 0.2613, 0.1681



## Protanomaly

27.8524, 0.2178, 0.1729



## Deuteranomaly

27.1866, 0.2133, 0.1765



## Tritanomaly

27.9157, 0.3101, 0.2472

# Monochromacy



## Original Color

28.8118, 0.2613, 0.1681



## Achromatopsia

30.0544, 0.3127, 0.3290



## Achromatomaly

28.5735, 0.2917, 0.2532

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.8118, 0.2613, 0.1681 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(191, 107, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 107, 255)  
}
```

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(191, 107, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 107, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 28.8118, 0.2613, 0.1681 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(191, 107, 255) }
```

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

```
.border{ border-color:rgb(191, 107, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 107, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 107, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 107, 255);  
box-shadow:4px 4px 4px 4px rgb(191, 107,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.8118, 0.2613, 0.1681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 107, 255) }
```

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

```
.background{ background-color: rgb(191,  
107, 255) }
```

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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