

# Converting Colors

$Y_{xy}(29.3401, 0.2611, 0.1749)$

Have a look what the booklet for  
Yxy(29.3401, 0.2611, 0.1749)  
contains.

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# Color

**Yxy(29.3401, 0.2611, 0.1749)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BB71FB
RGB	187, 113, 251
RGB Percent	73%, 44%, 98%
CMY	0.2669, 0.5567, 0.0157
CMYK	0.26, 0.55, 0.00, 0.02
HSL	272°, 95%, 71%
HSV	272°, 55%, 98%
XYZ	43.8005, 29.3401, 94.6130
YIQ	150.8580, -0.1940, 58.6060

# Conversions

## Conversions Part 2

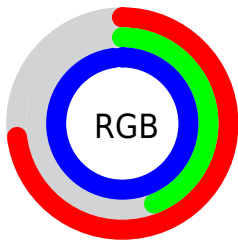
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	187, 113, 251
Decimal	12284411
CIE <sub>Lab</sub>	61.08, 53.96, -57.95
CIE <sub>LCh</sub>	61, 79.185, 312.957
Yxy	29.3401, 0.2611, 0.1749
Android (android.graphics.Color)	4290474491 (0xFFBB71FB)
YUV	150.8580, 49.3700, 31.6965
Hunter-Lab	54.1665, 49.5484, -65.6457

# Details

The Yxy color **29.3401, 0.2611, 0.1749** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **79.5374, 0.3408, 0.4873**, and the grayscale version is **30.6709, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.4503, 0.3095, 0.2412**, and **11.9784, 0.2429, 0.1412** is the 20% darker color. If you saturate the color by 10%, you get **23.0821, 0.2487, 0.1485**, and if you desaturate by 10%, it is **37.2678, 0.2730, 0.2036**.

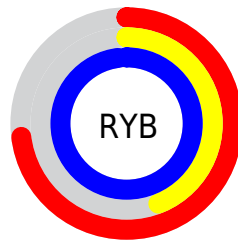
# Distribution



Red (73%)

Green (44%)

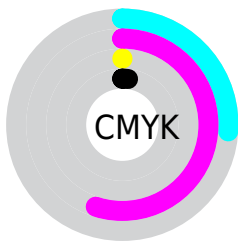
Blue (98%)



Red (73%)

Yellow (44%)

Blue (98%)

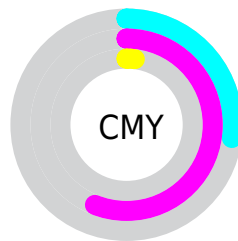


Cyan (26%)

Magenta (55%)

Yellow (0%)

Black (2%)



Cyan (27%)

Magenta (56%)


Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.3401, 0.2611, 0.1749 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 29.3401, 0.2611, 0.1749 by changing the saturation by 10% instead.





 29.3401, 0.2611,  
0.1749


 29.3401, 0.2611,  
0.1749


298.8163, 0.2902,  
0.2458


 19.3383, 0.2533,  
0.1595


 58.6170, 0.2722,  
0.1990

 11.9149, 0.2430,  
0.1410

 78.6608, 0.2762,  
0.2086

 6.6858, 0.2293,  
0.1189


 102.8208, 0.2796,  
0.2169

 3.2664, 0.2102,  
0.0924

131.4813, 0.2824,  
0.2241

 1.2723, 0.1831,  
0.0616

165.0267, 0.2848,  
0.2305

 0.1196, 0.1464,  
0.0111

203.8414, 0.2869,


 0.0000, 0.0746,


0.2362


0.0000


248.3098, 0.2887,  
0.2413

 0.0000, 0.0000,  
0.0000


 29.3401, 0.2611,  
0.1749


 29.3401, 0.2611,  
0.1749

 23.0821, 0.2487,  
0.1485


 37.2678, 0.2730,  
0.2036


 18.3566, 0.2361,  
0.1259


 46.9807, 0.2839,  
0.2332

 15.0091, 0.2240,  
0.1083

 58.5877, 0.2937,  
0.2624

 12.8487, 0.2129,  
0.0962

 72.1877, 0.3022,  
0.2905

 12.0722, 0.2077,  
0.0918

 87.8727, 0.3095,  
0.3167

99.7444, 0.3150,  
0.3328

# Harmonies

## Analogous

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



29.3401, 0.1733, 0.1560



29.3401, 0.2611, 0.1749



29.3401, 0.3889, 0.2210

# Triad

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



29.3401, 0.2611, 0.1749



29.3401, 0.5171, 0.4443



29.3401, 0.1426, 0.3315

# Complementary

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



29.3401, 0.2611, 0.1749



79.5374, 0.3408, 0.4873

# 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.



29.3401, 0.2135, 0.4879



29.3401, 0.2611, 0.1749



29.3401, 0.4273, 0.5301

# Square

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



29.3401, 0.2611, 0.1749



29.3401, 0.5563, 0.3613



29.3401, 0.3185, 0.5702



29.3401, 0.1172, 0.2192



# Rectangle

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



29.3401, 0.2611, 0.1749



29.3401, 0.4752, 0.2635



29.3401, 0.3185, 0.5702



29.3401, 0.1609, 0.3827

# Sweetspot

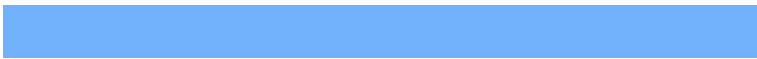
The Sweet Spot groups the original color and five complimentary colors.



29.3412, 0.2611, 0.1749



73.2576, 0.3013, 0.2876



42.0858, 0.2231, 0.2346



15.0311, 0.2997, 0.2819



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.



29.3412, 0.2611, 0.1749



23.3202, 0.2473, 0.1459



39.0036, 0.3230, 0.2020



17.1009, 0.3063, 0.3051



6.4338, 0.2093, 0.0927



0.6590, 0.2218, 0.0995



# Inverse Universe

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



35.5030, 0.3979, 0.2634



30.7382, 0.4252, 0.2543



73.8008, 0.3025, 0.5011



17.3593, 0.3221, 0.3180



11.4784, 0.5114, 0.2591

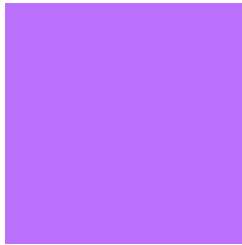


1.0843, 0.4828, 0.2433



# Previews

## White Background



This preview shows how the Yxy color 29.3401, 0.2611, 0.1749 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

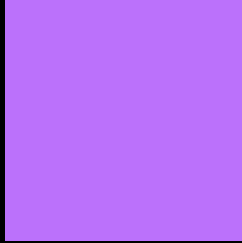
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 29.3401, 0.2611, 0.1749 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

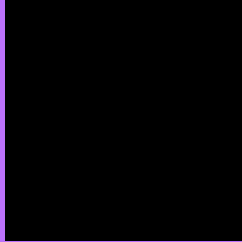
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 29.3401, 0.2611, 0.1749**

## **Background**



This preview shows how black text looks on a background with the Yxy color 29.3401, 0.2611, 0.1749.

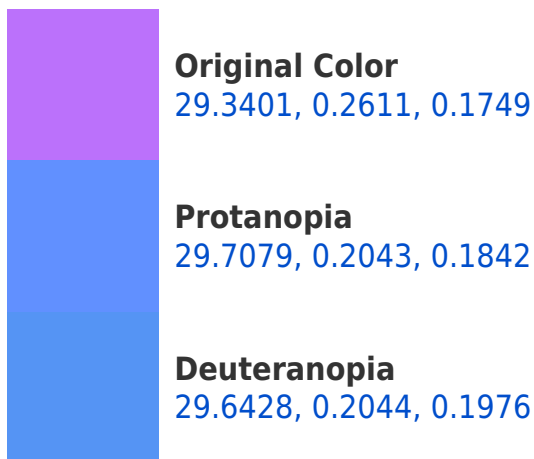


This preview shows how white text looks on a background with the Yxy color 29.3401, 0.2611, 0.1749.

# 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

29.1023, 0.3343, 0.3128

# Trichromacy



## Original Color

29.3401, 0.2611, 0.1749



## Protanomaly

28.6766, 0.2196, 0.1775



## Deuteranomaly

28.1809, 0.2183, 0.1838



## Tritanomaly

28.7832, 0.3048, 0.2517

# Monochromacy



## Original Color

29.3401, 0.2611, 0.1749



## Achromatopsia

30.9469, 0.3127, 0.3290



## Achromatomaly

29.3717, 0.2927, 0.2587

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.3401, 0.2611, 0.1749 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(187, 113, 251)` looks like.

```
.text, #text, p{  
    color:rgb(187, 113, 251)  
}
```

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(187, 113, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 113, 251) }
```

## Border

The CSS property to change the border of an element to Yxy 29.3401, 0.2611, 0.1749 is called "border". The border property can be set on classes, ids or directly on the HTML element.

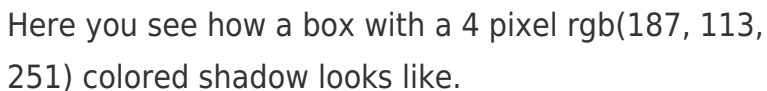
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 113, 251) }
```

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

```
.border{ border-color:rgb(187, 113, 251) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 113, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 113, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 113, 251);  
box-shadow:4px 4px 4px 4px rgb(187, 113,  
251) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.3401, 0.2611, 0.1749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 113, 251) }
```

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

```
.background{ background-color: rgb(187,  
113, 251) }
```

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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