

# Converting Colors

$Y_{xy}(28.0568, 0.2613, 0.1727)$

Have a look what the booklet for  
Yxy(28.0568, 0.2613, 0.1727)  
contains.

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# Color

**Yxy(28.0289, 0.2612, 0.1726)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B96DF8
RGB	185, 109, 248
RGB Percent	73%, 43%, 97%
CMY	0.2744, 0.5725, 0.0276
CMYK	0.25, 0.56, 0.00, 0.03
HSL	273°, 91%, 70%
HSV	273°, 56%, 97%
XYZ	42.4169, 28.0289, 91.9465
YIQ	147.5700, 0.6770, 59.3410

# Conversions

## Conversions Part 2

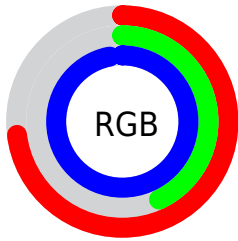
Format	Color
R <sub>Y</sub> B	185, 109, 248
Decimal	12152312
CIE Lab	59.91, 54.87, -58.15
CIE LCh	60, 79.956, 313.339
Yxy	28.0289, 0.2612, 0.1726
Android (android.graphics.Color)	4290342392 (0xFFB96DF8)
YUV	147.5700, 49.5120, 32.8261
Hunter-Lab	52.9423, 50.3633, -65.9110

# Details

The Yxy color **28.0289, 0.2612, 0.1726** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **76.9777, 0.3400, 0.4909**, and the grayscale version is **29.2183, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.6475, 0.3080, 0.2369**, and **11.1791, 0.2425, 0.1375** is the 20% darker color. If you saturate the color by 10%, you get **22.1223, 0.2490, 0.1468**, and if you desaturate by 10%, it is **35.5397, 0.2728, 0.2009**.

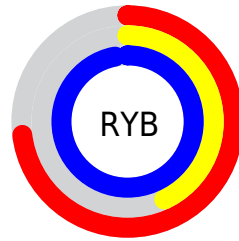
# Distribution



Red (73%)

Green (43%)

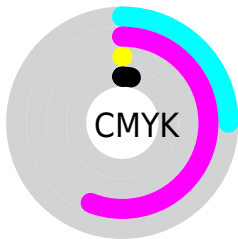
Blue (97%)



Red (73%)

Yellow (43%)

Blue (97%)

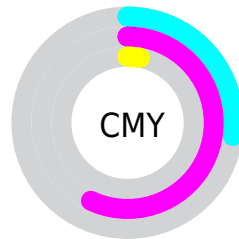


Cyan (25%)

Magenta (56%)

Yellow (0%)

Black (3%)



Cyan (27%)

Magenta (57%)


Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.0289, 0.2612, 0.1726 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 28.0289, 0.2612, 0.1726 by changing the saturation by 10% instead.





 28.0289, 0.2612,  
0.1726


 28.0289, 0.2612,  
0.1726


292.6050, 0.2906,  
0.2449


 18.3474, 0.2532,  
0.1568


 56.5306, 0.2725,  
0.1972


 11.1997, 0.2427,  
0.1380


 76.1196, 0.2765,  
0.2070

 6.2013, 0.2286,  
0.1154


 99.7799, 0.2799,  
0.2154

 2.9679, 0.2090,  
0.0885

 127.8959, 0.2827,  
0.2228

 1.1150, 0.1809,  
0.0574

160.8521, 0.2851,  
0.2293

 0.0000, 0.1436,  
0.0000

199.0327, 0.2872,


 0.0000, 0.0602,


0.2351


0.0000

242.8222, 0.2890,  
0.2403


 0.0000, 0.0000,  
0.0000


 28.0289, 0.2612,  
0.1726


 28.0289, 0.2612,  
0.1726


 22.1223, 0.2490,  
0.1468


 35.5397, 0.2728,  
0.2009


 17.6851, 0.2368,  
0.1249


 44.7679, 0.2836,  
0.2303


 14.5648, 0.2250,  
0.1080

 55.8201, 0.2932,  
0.2595

 12.5714, 0.2141,  
0.0966

 68.7930, 0.3017,  
0.2876

 11.9790, 0.2101,  
0.0931

 83.7762, 0.3089,  
0.3140

99.0663, 0.3152,  
0.3358

99.5547, 0.3168,  
0.3357

# Harmonies

## Analogous

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



28.0289, 0.1715, 0.1531



28.0289, 0.2612, 0.1726



28.0289, 0.3923, 0.2196

# Triad

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



28.0289, 0.2612, 0.1726



28.0289, 0.5194, 0.4460



28.0289, 0.1386, 0.3292

# Complementary

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



28.0289, 0.2612, 0.1726



76.9777, 0.3400, 0.4909

# 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.



28.0289, 0.2095, 0.4907



28.0289, 0.2612, 0.1726



28.0289, 0.4268, 0.5344

# Square

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



28.0289, 0.2612, 0.1726



28.0289, 0.5613, 0.3615



28.0289, 0.3159, 0.5764



28.0289, 0.1139, 0.2155



# Rectangle

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



28.0289, 0.2612, 0.1726



28.0289, 0.4807, 0.2627



28.0289, 0.3159, 0.5764



28.0289, 0.1568, 0.3817

# Sweetspot

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



28.0300, 0.2612, 0.1726



71.8564, 0.3009, 0.2849



40.2408, 0.2215, 0.2325



14.7577, 0.2993, 0.2793



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.



28.0300, 0.2612, 0.1726



23.0030, 0.2477, 0.1442



37.3783, 0.3232, 0.2000



17.1109, 0.3065, 0.3051



6.5580, 0.2117, 0.0940



0.6704, 0.2240, 0.1007



# Inverse Universe

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



33.8640, 0.4023, 0.2640



30.2162, 0.4305, 0.2556



71.5671, 0.3024, 0.5047



17.3560, 0.3223, 0.3183



11.4439, 0.5162, 0.2617

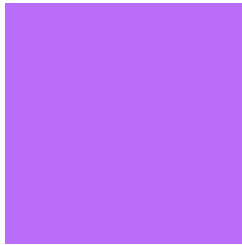


1.0810, 0.4870, 0.2456



# Previews

## White Background



This preview shows how the Yxy color 28.0289, 0.2612, 0.1726 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

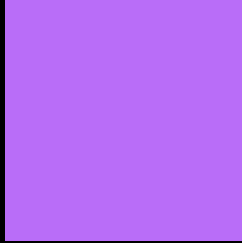
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 28.0289, 0.2612, 0.1726 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

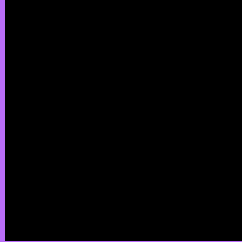
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 28.0289, 0.2612, 0.1726**

## **Background**



This preview shows how black text looks on a background with the Yxy color 28.0289, 0.2612, 0.1726.



This preview shows how white text looks on a background with the Yxy color 28.0289, 0.2612, 0.1726.

# 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

28.0289, 0.2612, 0.1726

### Protanopia

28.4939, 0.2008, 0.1794

### Deuteranopia

28.3071, 0.2025, 0.1956



## Tritanopia

27.8991, 0.3369, 0.3141

# Trichromacy



## Original Color

28.0289, 0.2612, 0.1726



## Protanomaly

27.0888, 0.2165, 0.1731



## Deuteranomaly

26.8857, 0.2165, 0.1816



## Tritanomaly

27.3393, 0.3067, 0.2506

# Monochromacy



## Original Color

28.0289, 0.2612, 0.1726



## Achromatopsia

29.6138, 0.3127, 0.3290



## Achromatomaly

28.0880, 0.2923, 0.2576

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.0289, 0.2612, 0.1726 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(185, 109, 248)` looks like.

```
.text, #text, p{  
    color:rgb(185, 109, 248)  
}
```

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(185, 109, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 109, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 28.0289, 0.2612, 0.1726 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(185, 109, 248) }
```

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

```
.border{ border-color:rgb(185, 109, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 109, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 109, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 109, 248); box-shadow:4px 4px 4px 4px rgb(185, 109, 248) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.0289, 0.2612, 0.1726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 109, 248) }
```

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

```
.background{ background-color: rgb(185,  
109, 248) }
```

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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