

Converting Colors

$Y_{xy}(28.2973, 0.2637, 0.1718)$

Have a look what the booklet for
Yxy(28.2973, 0.2637, 0.1718)
contains.

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Color

Yxy(28.3835, 0.2639, 0.1724)

Conversions

Conversions Part 1

Format	Color
Hex	BD6CF9
RGB	189, 108, 249
RGB Percent	74%, 42%, 98%
CMY	0.2588, 0.5765, 0.0236
CMYK	0.24, 0.57, 0.00, 0.02
HSL	274°, 92%, 70%
HSV	274°, 57%, 98%
XYZ	43.4478, 28.3835, 92.8061
YIQ	148.2930, 3.0150, 61.0230

Conversions

Conversions Part 2

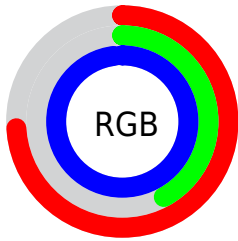
Format	Color
R _{YB}	189, 108, 249
Decimal	12414201
CIE _{Lab}	60.23, 56.57, -58.19
CIE _{LCh}	60, 81.157, 314.192
Y _{xy}	28.3835, 0.2639, 0.1724
Android (android.graphics.Color)	4290604281 (0xFFBD6CF9)
YUV	148.2930, 49.6486, 35.7000
Hunter-Lab	53.2762, 52.3372, -65.9888

Details

The Yxy color **28.3835, 0.2639, 0.1724** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **77.1543, 0.3376, 0.4940**, and the grayscale version is **29.5319, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.0171, 0.3113, 0.2368**, and **11.4437, 0.2462, 0.1381** is the 20% darker color. If you saturate the color by 10%, you get **22.5555, 0.2524, 0.1473**, and if you desaturate by 10%, it is **35.8119, 0.2749, 0.2001**.

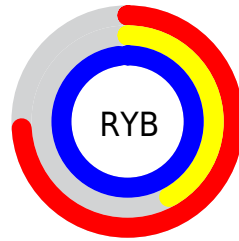
Distribution



Red (74%)

Green (42%)

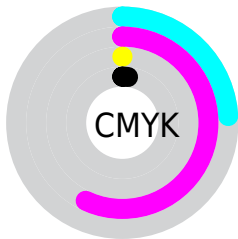
Blue (98%)



Red (74%)

Yellow (42%)

Blue (98%)

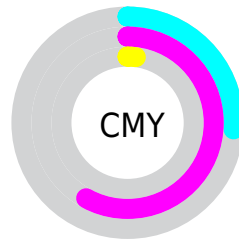


Cyan (24%)

Magenta (57%)

Yellow (0%)

Black (2%)



Cyan (26%)


Magenta (58%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3835, 0.2639, 0.1724 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 28.3835, 0.2639, 0.1724 by changing the saturation by 10% instead.


 28.3835, 0.2639,
0.1724


 28.3835, 0.2639,
0.1724


294.2949, 0.2919,
0.2445

 18.6149, 0.2562,
0.1567


 57.0961, 0.2747,
0.1969


 11.3924, 0.2462,
0.1380


 76.8090, 0.2786,
0.2066

 6.3314, 0.2326,
0.1156


 100.6055, 0.2818,
0.2151

 3.0476, 0.2136,
0.0889

 128.8698, 0.2845,
0.2225

 1.1566, 0.1863,
0.0581

161.9866, 0.2868,
0.2290

 0.0259, 0.1499,
0.0025

200.3401, 0.2887,


 0.0000, 0.0734,


0.2347


0.0000


244.3147, 0.2904,
0.2399


 0.0000, 0.0000,
0.0000


 28.3835, 0.2639,
0.1724

 28.3835, 0.2639,
0.1724


 22.5555, 0.2524,
0.1473


 35.8119, 0.2749,
0.2001


 18.1910, 0.2408,
0.1261


 44.9554, 0.2850,
0.2291


 15.1348, 0.2296,
0.1100

 55.9218, 0.2941,
0.2581

 13.1908, 0.2193,
0.0992

 68.8088, 0.3020,
0.2861

 12.6839, 0.2159,
0.0963

 83.7071, 0.3088,
0.3125

99.1613, 0.3147,
0.3348

99.6192, 0.3162,
0.3347

Harmonies

Analogous

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



28.3835, 0.1723, 0.1519



28.3835, 0.2639, 0.1724



28.3835, 0.3971, 0.2204

Triad

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



28.3835, 0.2639, 0.1724



28.3835, 0.5186, 0.4488



28.3835, 0.1358, 0.3247

Complementary

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



28.3835, 0.2639, 0.1724



77.1543, 0.3376, 0.4940

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.



28.3835, 0.2057, 0.4883



28.3835, 0.2639, 0.1724



28.3835, 0.4240, 0.5381

Square

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



28.3835, 0.2639, 0.1724



28.3835, 0.5634, 0.3635



28.3835, 0.3121, 0.5788



28.3835, 0.1123, 0.2120

Rectangle

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



28.3835, 0.2639, 0.1724



28.3835, 0.4858, 0.2640



28.3835, 0.3121, 0.5788



28.3835, 0.1536, 0.3774

Sweetspot

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



28.3846, 0.2639, 0.1724



72.0604, 0.3017, 0.2850



38.4402, 0.2192, 0.2248



14.8059, 0.3002, 0.2795



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.



28.3846, 0.2639, 0.1724



23.0454, 0.2507, 0.1439



37.1315, 0.3278, 0.2025



17.1353, 0.3070, 0.3051



6.8754, 0.2175, 0.0972



0.6992, 0.2294, 0.1037

Inverse Universe

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



33.6911, 0.4086, 0.2674



29.6136, 0.4400, 0.2597



72.2301, 0.3004, 0.5011



17.3478, 0.3227, 0.3189



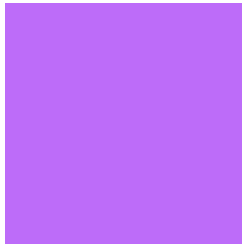
11.3639, 0.5277, 0.2681



1.0732, 0.4972, 0.2512

Previews

White Background



This preview shows how the Yxy color 28.3835, 0.2639, 0.1724 looks on a white background.

Color Contrast Check

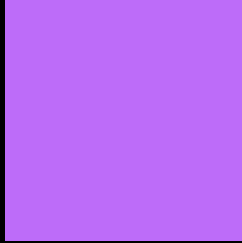
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3835, 0.2639, 0.1724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

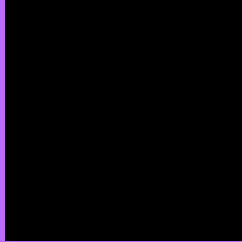
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3835, 0.2639, 0.1724

Background



This preview shows how black text looks on a background with the Yxy color 28.3835, 0.2639, 0.1724.



This preview shows how white text looks on a background with the Yxy color 28.3835, 0.2639, 0.1724.

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

28.3835, 0.2639, 0.1724

Protanopia

28.8413, 0.2015, 0.1809

Deuteranopia

28.7025, 0.2036, 0.1972



Tritanopia

28.1739, 0.3428, 0.3129

Trichromacy



Original Color

28.3835, 0.2639, 0.1724



Protanomaly

27.5691, 0.2175, 0.1740



Deuteranomaly

27.0991, 0.2184, 0.1823



Tritanomaly

27.5511, 0.3110, 0.2502

Monochromacy



Original Color

28.3835, 0.2639, 0.1724



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

28.0644, 0.2934, 0.2553

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3835, 0.2639, 0.1724 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(189, 108, 249)` looks like.

```
.text, #text, p{  
    color:rgb(189, 108, 249)  
}
```

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(189, 108, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 108, 249) }
```

Border

The CSS property to change the border of an element to Yxy 28.3835, 0.2639, 0.1724 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(189, 108, 249) }
```

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

```
.border{ border-color:rgb(189, 108, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 108, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 108, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 108, 249);  
box-shadow:4px 4px 4px 4px rgb(189, 108,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3835, 0.2639, 0.1724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 108, 249) }
```

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

```
.background{ background-color: rgb(189,  
108, 249) }
```

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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