

Converting Colors

$Y_{xy}(28.5925, 0.2648, 0.1979)$

Have a look what the booklet for
Yxy(28.5925, 0.2648, 0.1979)
contains.

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Color

Yxy(28.5937, 0.2647, 0.1979)

Conversions

Conversions Part 1

Format	Color
Hex	AC7BE5
RGB	172, 123, 229
RGB Percent	67%, 48%, 90%
CMY	0.3254, 0.5177, 0.1019
CMYK	0.25, 0.46, 0.00, 0.10
HSL	268°, 67%, 69%
HSV	268°, 46%, 90%
XYZ	38.2453, 28.5937, 77.6466
YIQ	149.7350, -4.8220, 43.3540

Conversions

Conversions Part 2

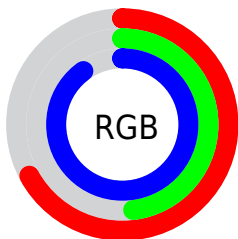
Format	Color
R_{YB}	172, 123, 229
Decimal	11303909
CIE _{Lab}	60.42, 39.73, -46.92
CIE _{LCh}	60, 61.484, 310.256
Yxy	28.5937, 0.2647, 0.1979
Android (android.graphics.Color)	4289493989 (0xFFAC7BE5)
YUV	149.7350, 39.0776, 19.5264
Hunter-Lab	53.4731, 34.0900, -48.6620

Details

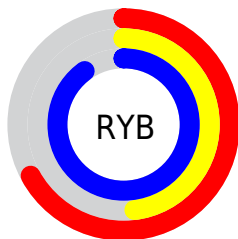
The Yxy color **28.5937, 0.2647, 0.1979** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **67.1805, 0.3438, 0.4581**, and the grayscale version is **30.2152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.9287, 0.2961, 0.2468**, and **11.5641, 0.2477, 0.1660** is the 20% darker color. If you saturate the color by 10%, you get **22.2335, 0.2510, 0.1683**, and if you desaturate by 10%, it is **36.4140, 0.2774, 0.2283**.

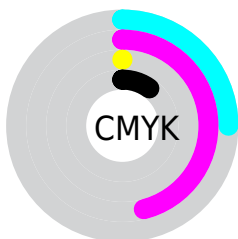
Distribution



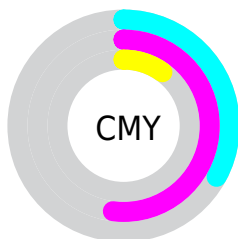
- Red (67%)
- Green (48%)
- Blue (90%)



- Red (67%)
- Yellow (48%)
- Blue (90%)



- Cyan (25%)
- Magenta (46%)
- Yellow (0%)
- Black (10%)





- Cyan (33%)
- Magenta (52%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.5937, 0.2647, 0.1979 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 28.5937, 0.2647, 0.1979 by changing the saturation by 10% instead.


 28.5937, 0.2647,
0.1979


 28.5937, 0.2647,
0.1979


295.2931, 0.2915,
0.2609

 18.7737, 0.2574,
0.1833


 57.4309, 0.2750,
0.2200

 11.5069, 0.2476,
0.1655


 77.2169, 0.2787,
0.2285

 6.4088, 0.2344,
0.1432


 101.0937, 0.2818,
0.2359

 3.0952, 0.2155,
0.1152

129.4456, 0.2844,
0.2422

 1.1817, 0.1875,
0.0804

162.6572, 0.2866,
0.2478

 0.0466, 0.1494,
0.0068

201.1126, 0.2885,

 0.0000, 0.0000,

0.2527

0.0000

245.1965, 0.2901,
0.2570

■ 28.5937, 0.2647,
0.1979

■ 28.5937, 0.2647,
0.1979

■ 22.2335, 0.2510,
0.1683

■ 36.4140, 0.2774,
0.2283

■ 17.2325, 0.2368,
0.1411

■ 45.7794, 0.2890,
0.2582

■ 13.4819, 0.2228,
0.1179

■ 56.7721, 0.2991,
0.2868

■ 10.8535, 0.2097,
0.0999

■ 69.4674, 0.3079,
0.3134

■ 9.1881, 0.1979,
0.0877

■ 83.9360, 0.3153,
0.3377

■ 8.7177, 0.1939,
0.0842

■ 96.7506, 0.3221,
0.3546

■ 98.4383, 0.3280,
0.3542

Harmonies

Analogous

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



28.5937, 0.1930, 0.1841



28.5937, 0.2647, 0.1979



28.5937, 0.3648, 0.2362

Triad

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



28.5937, 0.2647, 0.1979



28.5937, 0.4892, 0.4285



28.5937, 0.1783, 0.3448

Complementary

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



28.5937, 0.2647, 0.1979



67.1805, 0.3438, 0.4581

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.



28.5937, 0.2439, 0.4580



28.5937, 0.2647, 0.1979



28.5937, 0.4228, 0.4924

Square

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



28.5937, 0.2647, 0.1979



28.5937, 0.5083, 0.3586



28.5937, 0.3337, 0.5163



28.5937, 0.1498, 0.2500

Rectangle

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



28.5937, 0.2647, 0.1979



28.5937, 0.4327, 0.2725



28.5937, 0.3337, 0.5163



28.5937, 0.1962, 0.3836

Sweetspot

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



28.5948, 0.2647, 0.1979



75.8403, 0.3012, 0.2929



43.0404, 0.2396, 0.2651



15.5201, 0.2991, 0.2869



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.



28.5948, 0.2647, 0.1979



28.3465, 0.2510, 0.1682



35.6234, 0.3129, 0.2149



14.2121, 0.3052, 0.3052



5.0534, 0.1955, 0.0851



0.4282, 0.2117, 0.0940

Inverse Universe

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



34.1186, 0.3693, 0.2645



36.5647, 0.3878, 0.2521



62.0913, 0.3090, 0.4732



14.4969, 0.3209, 0.3164



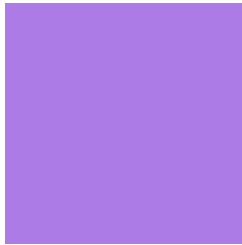
10.3677, 0.4796, 0.2416



0.7849, 0.4501, 0.2253

Previews

White Background



This preview shows how the Yxy color 28.5937, 0.2647, 0.1979 looks on a white background.

Color Contrast Check

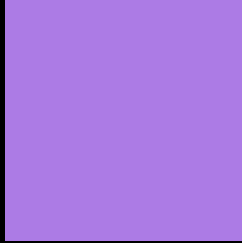
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5937, 0.2647, 0.1979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

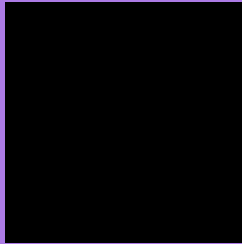
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.5937, 0.2647, 0.1979

Background



This preview shows how black text looks on a background with the Yxy color 28.5937, 0.2647, 0.1979.

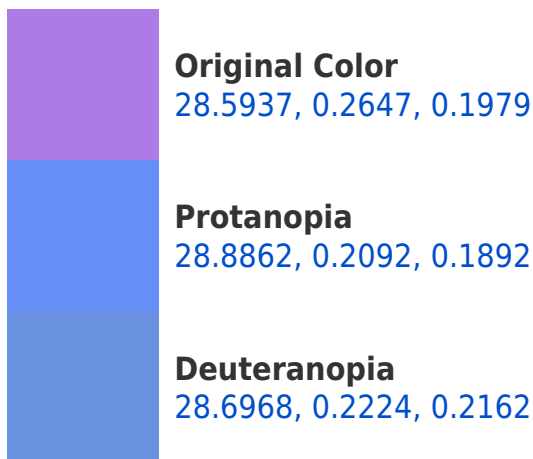


This preview shows how white text looks on a background with the Yxy color 28.5937, 0.2647, 0.1979.

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

28.5859, 0.3199, 0.3122

Trichromacy



Original Color

28.5937, 0.2647, 0.1979

Protanomaly

28.1312, 0.2249, 0.1909

Deuteranomaly

28.1281, 0.2349, 0.2073

Tritanomaly

28.1320, 0.2980, 0.2631

Monochromacy



Original Color

28.5937, 0.2647, 0.1979

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.2799, 0.2940, 0.2723

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5937, 0.2647, 0.1979 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(172, 123, 229)` looks like.

```
.text, #text, p{  
    color:rgb(172, 123, 229)  
}
```

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(172, 123, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 123, 229) }
```

Border

The CSS property to change the border of an element to Yxy 28.5937, 0.2647, 0.1979 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(172, 123, 229) }
```

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

```
.border{ border-color:rgb(172, 123, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 123, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 123, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 123, 229); box-shadow:4px 4px 4px 4px rgb(172, 123, 229) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5937, 0.2647, 0.1979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 123, 229) }
```

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

```
.background{ background-color: rgb(172,  
123, 229) }
```

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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