

Converting Colors

$Y_{xy}(22.7979, 0.2669, 0.1657)$

Have a look what the booklet for
Yxy(22.7979, 0.2669, 0.1657)
contains.

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Color

Yxy(22.8354, 0.2670, 0.1659)

Conversions

Conversions Part 1

Format	Color
Hex	B35BE7
RGB	179, 91, 231
RGB Percent	70%, 36%, 91%
CMY	0.2981, 0.6431, 0.0942
CMYK	0.23, 0.61, 0.00, 0.09
HSL	278°, 74%, 63%
HSV	278°, 61%, 91%
XYZ	36.7514, 22.8354, 78.0588
YIQ	133.2720, 7.5080, 62.1960

Conversions

Conversions Part 2

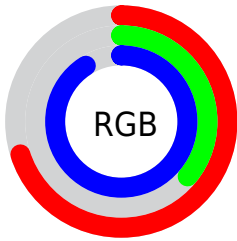
Format	Color
R_{YB}	179, 91, 231
Decimal	11754471
CIE _{Lab}	54.90, 58.65, -56.75
CIE _{LCh}	55, 81.613, 315.941
Yxy	22.8354, 0.2670, 0.1659
Android (android.graphics.Color)	4289944551 (0xFFB35BE7)
YUV	133.2720, 48.1799, 40.1035
Hunter-Lab	47.7864, 53.6538, -63.3994

Details

The Yxy color **22.8354, 0.2670, 0.1659** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **63.7382, 0.3329, 0.5078**, and the grayscale version is **23.3807, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.6479, 0.3033, 0.2182**, and **8.4348, 0.2475, 0.1276** is the 20% darker color. If you saturate the color by 10%, you get **18.4849, 0.2569, 0.1432**, and if you desaturate by 10%, it is **28.4662, 0.2767, 0.1917**.

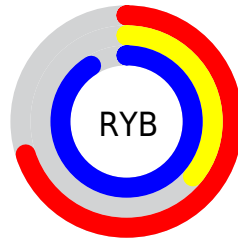
Distribution



Red (70%)

Green (36%)

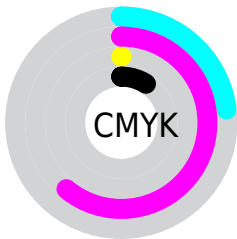
Blue (91%)



Red (70%)

Yellow (36%)

Blue (91%)

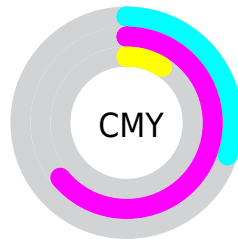


Cyan (23%)

Magenta (61%)

Yellow (0%)

Black (9%)



Cyan (30%)

Magenta (64%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8354, 0.2670, 0.1659 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 22.8354, 0.2670, 0.1659 by changing the saturation by 10% instead.


 22.8354, 0.2670,
0.1659


 22.8354, 0.2670,
0.1659


266.8784, 0.2946,
0.2430


 14.4720, 0.2590,
0.1488


 48.1229, 0.2780,
0.1925


 8.4497, 0.2481,
0.1283


 65.8158, 0.2818,
0.2029

 4.3840, 0.2331,
0.1036


 87.3874, 0.2850,
0.2119

 1.8906, 0.2115,
0.0745

 113.2220, 0.2876,
0.2197

 0.5427, 0.1798,
0.0390

143.7040, 0.2898,
0.2266

 0.0000, 0.1325,
0.0000

179.2178, 0.2916,

 0.0000, 0.0000,

0.2327

0.0000

220.1478, 0.2932,
0.2381

■ 22.8354, 0.2670,
0.1659

■ 22.8354, 0.2670,
0.1659

■ 18.4849, 0.2569,
0.1432

■ 28.4662, 0.2767,
0.1917

■ 15.2954, 0.2468,
0.1249

■ 35.4767, 0.2858,
0.2194

■ 13.1286, 0.2370,
0.1116


■ 43.9594, 0.2939,
0.2478

■ 11.8049, 0.2284,
0.1032

■ 53.9977, 0.3011,
0.2757

■ 65.6688, 0.3072,
0.3024

 79.0445, 0.3124,
0.3276

 94.1926, 0.3168,
0.3508

 97.1777, 0.3221,
0.3526

 98.5485, 0.3268,
0.3523

Harmonies

Analogous

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



22.8354, 0.1680, 0.1430



22.8354, 0.2670, 0.1659



22.8354, 0.4118, 0.2171

Triad

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



22.8354, 0.2670, 0.1659



22.8354, 0.5228, 0.4555



22.8354, 0.1221, 0.3130

Complementary

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



22.8354, 0.2670, 0.1659



63.7382, 0.3329, 0.5078

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.



22.8354, 0.1907, 0.4933



22.8354, 0.2670, 0.1659



22.8354, 0.4187, 0.5536

Square

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



22.8354, 0.2670, 0.1659



22.8354, 0.5787, 0.3653



22.8354, 0.3005, 0.5992



22.8354, 0.1018, 0.1984

Rectangle

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



22.8354, 0.2670, 0.1659



22.8354, 0.5064, 0.2628



22.8354, 0.3005, 0.5992



22.8354, 0.1391, 0.3694

Sweetspot

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



22.8363, 0.2670, 0.1659



71.0385, 0.3027, 0.2825



28.1438, 0.2111, 0.2062



14.3421, 0.3008, 0.2745



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.



22.8363, 0.2670, 0.1659



21.8785, 0.2540, 0.1376



29.3596, 0.3364, 0.2019



14.3337, 0.3079, 0.3054



6.6920, 0.2298, 0.1039



0.5470, 0.2430, 0.1113

Inverse Universe

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



26.4545, 0.4294, 0.2727



27.3327, 0.4697, 0.2678



60.4360, 0.2968, 0.5045



14.4561, 0.3234, 0.3203



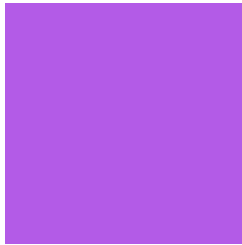
9.9212, 0.5487, 0.2796



0.7506, 0.5088, 0.2577

Previews

White Background



This preview shows how the Yxy color 22.8354, 0.2670, 0.1659 looks on a white background.

Color Contrast Check

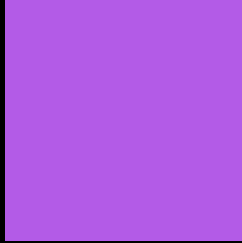
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8354, 0.2670, 0.1659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

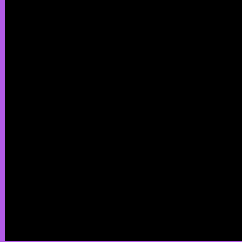
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8354, 0.2670, 0.1659

Background



This preview shows how black text looks on a background with the Yxy color 22.8354, 0.2670, 0.1659.



This preview shows how white text looks on a background with the Yxy color 22.8354, 0.2670, 0.1659.

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

22.8354, 0.2670, 0.1659

Protanopia

23.2110, 0.1838, 0.1567

Deuteranopia

23.2610, 0.1992, 0.1934



Tritanopia

22.8045, 0.3561, 0.3150

Trichromacy



Original Color

22.8354, 0.2670, 0.1659



Protanomaly

21.3978, 0.2006, 0.1538



Deuteranomaly

21.5737, 0.2143, 0.1760



Tritanomaly

22.1255, 0.3202, 0.2467

Monochromacy



Original Color

22.8354, 0.2670, 0.1659



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

22.3055, 0.2946, 0.2507

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8354, 0.2670, 0.1659 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(179, 91, 231)` looks like.

```
.text, #text, p{  
    color:rgb(179, 91, 231)  
}
```

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(179, 91, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 91, 231) }
```

Border

The CSS property to change the border of an element to Yxy 22.8354, 0.2670, 0.1659 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(179, 91, 231) }
```

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

```
.border{ border-color:rgb(179, 91, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 91, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 91, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 91, 231);  
box-shadow:4px 4px 4px 4px rgb(179, 91,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8354, 0.2670, 0.1659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 91, 231) }
```

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

```
.background{ background-color: rgb(179, 91,  
231) }
```

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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