

Converting Colors

$Y_{xy}(24.8310, 0.2332, 0.1838)$

Have a look what the booklet for
Yxy(24.8310, 0.2332, 0.1838)
contains.

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Color

Yxy(24.9228, 0.2332, 0.1843)

Conversions

Conversions Part 1

Format	Color
Hex	887AE7
RGB	136, 122, 231
RGB Percent	53%, 48%, 91%
CMY	0.4668, 0.5215, 0.0940
CMYK	0.41, 0.47, 0.00, 0.09
HSL	248°, 69%, 69%
HSV	248°, 47%, 91%
XYZ	31.5355, 24.9228, 78.7712
YIQ	138.6120, -26.6450, 36.8670

Conversions

Conversions Part 2

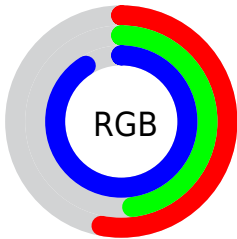
Format	Color
R _Y B	136, 122, 231
Decimal	8944359
CIE Lab	57.00, 31.49, -53.68
CIE LCh	57, 62.234, 300.396
Yxy	24.9228, 0.2332, 0.1843
Android (android.graphics.Color)	4287134439 (0xFF887AE7)
YUV	138.6120, 45.5473, -2.2907
Hunter-Lab	49.9227, 25.3913, -58.6055

Details

The Yxy color **24.9228, 0.2332, 0.1843** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **73.3361, 0.3716, 0.4487**, and the grayscale version is **25.4907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2174, 0.2691, 0.2392**, and **9.5225, 0.2067, 0.1475** is the 20% darker color. If you saturate the color by 10%, you get **18.3777, 0.2132, 0.1503**, and if you desaturate by 10%, it is **33.1350, 0.2529, 0.2188**.

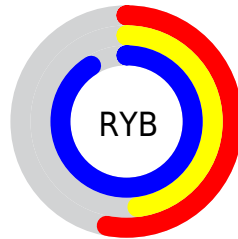
Distribution



Red (53%)

Green (48%)

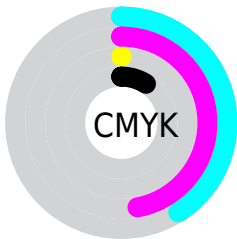
Blue (91%)



Red (53%)

Yellow (48%)

Blue (91%)

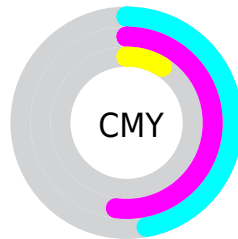


Cyan (41%)

Magenta (47%)

Yellow (0%)

Black (9%)



Cyan (47%)


Magenta (52%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9228, 0.2332, 0.1843 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 24.9228, 0.2332, 0.1843 by changing the saturation by 10% instead.


 24.9228, 0.2332,
0.1843


 24.9228, 0.2332,
0.1843


277.4533, 0.2763,
0.2549


 16.0195, 0.2219,
0.1680


 51.5320, 0.2494,
0.2091

 9.5380, 0.2073,
0.1480

 70.0066, 0.2553,
0.2187

 5.0937, 0.1878,
0.1234


 92.4406, 0.2603,
0.2269

 2.3024, 0.1615,
0.0932

119.2182, 0.2645,
0.2340

 0.7750, 0.1252,
0.0573

150.7239, 0.2681,
0.2403

 0.0000, 0.0702,
0.0000

187.3421, 0.2712,

 0.0000, 0.0000,

0.2457

0.0000

229.4570, 0.2739,
0.2506

■ 24.9228, 0.2332,
0.1843

■ 24.9228, 0.2332,
0.1843

■ 18.3777, 0.2132,
0.1503

■ 33.1350, 0.2529,
0.2188

■ 13.3822, 0.1941,
0.1192

■ 43.1155, 0.2715,
0.2521

■ 9.8075, 0.1775,
0.0934

■ 54.9607, 0.2883,
0.2830

■ 7.5027, 0.1645,
0.0749

■ 68.7593, 0.3032,
0.3109

■ 6.2738, 0.1559,
0.0643

■ 84.5940, 0.3162,
0.3356

■ 6.0410, 0.1541,
0.0623

■ 98.5512, 0.3268,
0.3522

Harmonies

Analogous

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



24.9228, 0.1708, 0.1789



24.9228, 0.2332, 0.1843



24.9228, 0.3306, 0.2161

Triad

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



24.9228, 0.2332, 0.1843



24.9228, 0.5113, 0.4067



24.9228, 0.1894, 0.3860

Complementary

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



24.9228, 0.2332, 0.1843



73.3361, 0.3716, 0.4487

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.



24.9228, 0.2685, 0.4976



24.9228, 0.2332, 0.1843



24.9228, 0.4535, 0.4791

Square

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



24.9228, 0.2332, 0.1843



24.9228, 0.5110, 0.3352



24.9228, 0.3650, 0.5268



24.9228, 0.1478, 0.2725

Rectangle

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



24.9228, 0.2332, 0.1843



24.9228, 0.4052, 0.2498



24.9228, 0.3650, 0.5268



24.9228, 0.2122, 0.4279

Sweetspot

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



24.9237, 0.2332, 0.1843



73.8664, 0.2931, 0.2920



60.2133, 0.2472, 0.3127



15.0433, 0.2898, 0.2857



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.



24.9237, 0.2332, 0.1843



22.9060, 0.2130, 0.1500



30.5414, 0.2787, 0.2006



13.9751, 0.3000, 0.3048



3.4149, 0.1549, 0.0627



0.2812, 0.1652, 0.0684

Inverse Universe

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



35.9282, 0.3315, 0.2270



38.4152, 0.3365, 0.2086



66.4449, 0.3323, 0.4661



14.5818, 0.3157, 0.3088



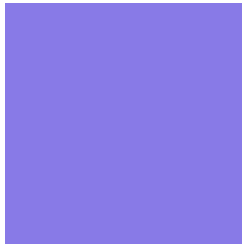
11.9125, 0.3560, 0.1735



0.8892, 0.3502, 0.1703

Previews

White Background



This preview shows how the Yxy color 24.9228, 0.2332, 0.1843 looks on a white background.

Color Contrast Check

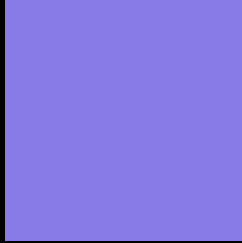
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9228, 0.2332, 0.1843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

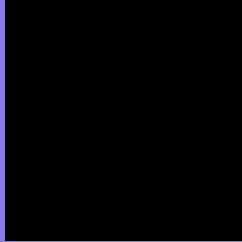
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.9228, 0.2332, 0.1843

Background



This preview shows how black text looks on a background with the Yxy color 24.9228, 0.2332, 0.1843.



This preview shows how white text looks on a background with the Yxy color 24.9228, 0.2332, 0.1843.

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

24.9228, 0.2332, 0.1843

Protanopia

25.1643, 0.2007, 0.1787

Deuteranopia

25.3149, 0.2032, 0.1973



Tritanopia

24.8051, 0.2780, 0.3081

Trichromacy



Original Color

24.9228, 0.2332, 0.1843

Protanomaly

24.8166, 0.2101, 0.1799

Deuteranomaly

24.7563, 0.2116, 0.1909

Tritanomaly

24.3963, 0.2594, 0.2527

Monochromacy



Original Color

24.9228, 0.2332, 0.1843

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.1569, 0.2800, 0.2677

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9228, 0.2332, 0.1843 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(136, 122, 231)` looks like.

```
.text, #text, p{  
    color:rgb(136, 122, 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(136, 122, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 122, 231) }
```

Border

The CSS property to change the border of an element to Yxy 24.9228, 0.2332, 0.1843 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(136, 122, 231) }
```

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

```
.border{ border-color:rgb(136, 122, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 122, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 122, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 122, 231);  
box-shadow:4px 4px 4px 4px rgb(136, 122,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9228, 0.2332, 0.1843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 122, 231) }
```

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

```
.background{ background-color: rgb(136,  
122, 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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