

Converting Colors

$Y_{xy}(28.7458, 0.2495, 0.2122)$

Have a look what the booklet for
Yxy(28.7458, 0.2495, 0.2122)
contains.

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Color

Yxy(28.8049, 0.2499, 0.2125)

Conversions

Conversions Part 1

Format	Color
Hex	9387DE
RGB	147, 135, 222
RGB Percent	58%, 53%, 87%
CMY	0.4237, 0.4705, 0.1295
CMYK	0.34, 0.39, 0.00, 0.13
HSL	248°, 57%, 70%
HSV	248°, 39%, 87%
XYZ	33.8746, 28.8049, 72.8730
YIQ	148.5060, -20.7750, 29.6010

Conversions

Conversions Part 2

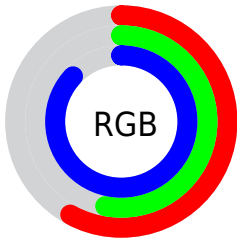
Format	Color
RYB	147, 135, 222
Decimal	9668574
CIELab	60.61, 24.29, -42.86
CIELCh	61, 49.263, 299.539
Yxy	28.8049, 0.2499, 0.2125
Android (android.graphics.Color)	4287858654 (0xFF9387DE)
YUV	148.5060, 36.2325, -1.3208
Hunter-Lab	53.6702, 18.7395, -42.9344

Details

The Yxy color **28.8049, 0.2499, 0.2125** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **67.6944, 0.3618, 0.4291**, and the grayscale version is **29.6877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.8829, 0.2773, 0.2555**, and **11.5773, 0.2297, 0.1816** is the 20% darker color. If you saturate the color by 10%, you get **21.6180, 0.2302, 0.1781**, and if you desaturate by 10%, it is **37.5800, 0.2685, 0.2459**.

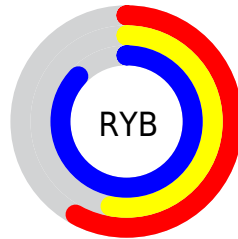
Distribution



Red (58%)

Green (53%)

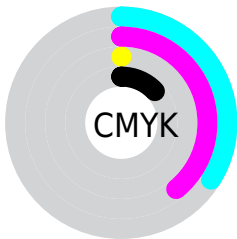
Blue (87%)



Red (58%)

Yellow (53%)

Blue (87%)

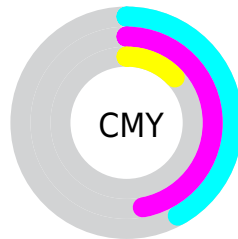


Cyan (34%)

Magenta (39%)

Yellow (0%)

Black (13%)



Cyan (42%)

Magenta (47%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.8049, 0.2499, 0.2125 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 28.8049, 0.2499, 0.2125 by changing the saturation by 10% instead.

■ 28.8049, 0.2499,
0.2125

■ 28.8049, 0.2499,
0.2125

■ 296.2933, 0.2836,
0.2701

■ 18.9333, 0.2410,
0.1987

■ 57.7670, 0.2626,
0.2331

■ 11.6221, 0.2294,
0.1815

■ 77.6262, 0.2672,
0.2409

■ 6.4869, 0.2137,
0.1596

■ 101.5834, 0.2711,
0.2476

■ 3.1433, 0.1918,
0.1313

■ 130.0230, 0.2744,
0.2533

■ 1.2070, 0.1600,
0.0946

■ 163.3295, 0.2772,
0.2583

■ 0.0674, 0.1153,
0.0118

■ 201.8870, 0.2796,

■ 0.0000, 0.0000,

0.2627

0.0000

246.0802, 0.2818,
0.2666

■ 28.8049, 0.2499,
0.2125

■ 28.8049, 0.2499,
0.2125

■ 21.6180, 0.2302,
0.1781

■ 37.5800, 0.2685,
0.2459

■ 15.9206, 0.2105,
0.1447

■ 48.0276, 0.2855,
0.2772

■ 11.6080, 0.1918,
0.1145

■ 60.2298, 0.3006,
0.3056

■ 8.5603, 0.1757,
0.0900

■ 74.2623, 0.3137,
0.3310

■ 6.6369, 0.1634,
0.0728

■ 90.1964, 0.3251,
0.3532

■ 5.6210, 0.1553,
0.0632

■ 98.0533, 0.3322,
0.3611

■ 5.5567, 0.1548,
0.0626

Harmonies

Analogous

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



28.8049, 0.1988, 0.2099



28.8049, 0.2499, 0.2125



28.8049, 0.3256, 0.2383

Triad

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



28.8049, 0.2499, 0.2125



28.8049, 0.4688, 0.3964



28.8049, 0.2197, 0.3753

Complementary

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



28.8049, 0.2499, 0.2125



67.6944, 0.3618, 0.4291

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.



28.8049, 0.2846, 0.4526



28.8049, 0.2499, 0.2125



28.8049, 0.4292, 0.4500

Square

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



28.8049, 0.2499, 0.2125



28.8049, 0.4627, 0.3375



28.8049, 0.3614, 0.4781



28.8049, 0.1824, 0.2913

Rectangle

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



28.8049, 0.2499, 0.2125



28.8049, 0.3813, 0.2661



28.8049, 0.3614, 0.4781



28.8049, 0.2388, 0.4044

Sweetspot

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



28.8060, 0.2499, 0.2125



77.3392, 0.2964, 0.2977



56.7129, 0.2564, 0.3140



16.0733, 0.2944, 0.2940



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.



28.8060, 0.2499, 0.2125



31.2275, 0.2338, 0.1844



33.5664, 0.2874, 0.2238



13.3331, 0.3002, 0.3049



3.3288, 0.1555, 0.0630



0.2601, 0.1670, 0.0694

Inverse Universe

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



37.5163, 0.3284, 0.2444



44.8348, 0.3325, 0.2278



62.1916, 0.3289, 0.4408



13.9016, 0.3159, 0.3090



11.4843, 0.3588, 0.1750



0.8051, 0.3521, 0.1713

Previews

White Background



This preview shows how the Yxy color 28.8049, 0.2499, 0.2125 looks on a white background.

Color Contrast Check

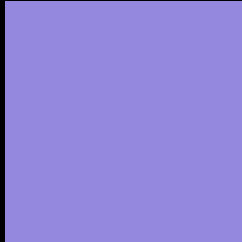
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8049, 0.2499, 0.2125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

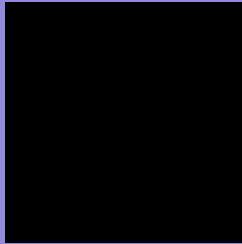
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.8049, 0.2499, 0.2125

Background



This preview shows how black text looks on a background with the Yxy color 28.8049, 0.2499, 0.2125.



This preview shows how white text looks on a background with the Yxy color 28.8049, 0.2499, 0.2125.

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

28.8049, 0.2499, 0.2125

Protanopia

28.8795, 0.2242, 0.2095

Deuteranopia

28.8628, 0.2281, 0.2215



Tritanopia

28.7862, 0.2879, 0.3097

Trichromacy



Original Color

28.8049, 0.2499, 0.2125

Protanomaly

28.6828, 0.2328, 0.2106

Deuteranomaly

28.6302, 0.2352, 0.2170

Tritanomaly

28.5528, 0.2728, 0.2685

Monochromacy



Original Color

28.8049, 0.2499, 0.2125

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.3770, 0.2871, 0.2810

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8049, 0.2499, 0.2125 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(147, 135, 222)` looks like.

```
.text, #text, p{  
    color:rgb(147, 135, 222)  
}
```

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(147, 135, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 135, 222) }
```

Border

The CSS property to change the border of an element to Yxy 28.8049, 0.2499, 0.2125 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(147, 135, 222) }
```

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

```
.border{ border-color:rgb(147, 135, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 135, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 135, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 135, 222);  
box-shadow:4px 4px 4px 4px rgb(147, 135,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8049, 0.2499, 0.2125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 135, 222) }
```

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

```
.background{ background-color: rgb(147,  
135, 222) }
```

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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