

Converting Colors

$Y_{xy}(28.3185, 0.2565, 0.2084)$

Have a look what the booklet for
Yxy(28.3185, 0.2565, 0.2084)
contains.

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Color

Yxy(28.3071, 0.2566, 0.2083)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 9C82DE |
| RGB | 156, 130, 222 |
| RGB Percent | 61%, 51%, 87% |
| CMY | 0.3883, 0.4901, 0.1295 |
| CMYK | 0.30, 0.41, 0.00, 0.13 |
| HSL | 257°, 58%, 69% |
| HSV | 257°, 41%, 87% |
| XYZ | 34.8709, 28.3071, 72.7179 |
| YIQ | 148.2620, -14.0360, 34.1240 |

Conversions

Conversions Part 2

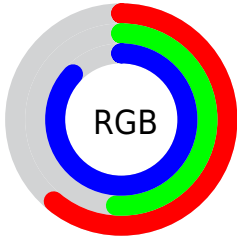
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 156, 130, 222 |
| Decimal | 10257118 |
| CIE Lab | 60.17, 29.64, -43.50 |
| CIE LCh | 60, 52.640, 304.272 |
| Yxy | 28.3071, 0.2566, 0.2083 |
| Android (android.graphics.Color) | 4288447198 (0xFF9C82DE) |
| YUV | 148.2620, 36.3528, 6.7862 |
| Hunter-Lab | 53.2044, 23.8835, -43.7923 |

Details

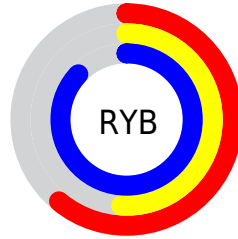
The Yxy color **28.3071, 0.2566, 0.2083** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **65.5829, 0.3540, 0.4387**, and the grayscale version is **29.5789, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0840, 0.2835, 0.2513**, and **11.3153, 0.2380, 0.1768** is the 20% darker color. If you saturate the color by 10%, you get **21.5390, 0.2394, 0.1757**, and if you desaturate by 10%, it is **36.5596, 0.2727, 0.2406**.

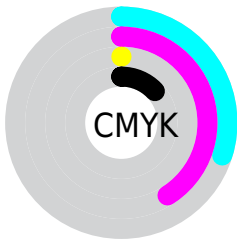
Distribution



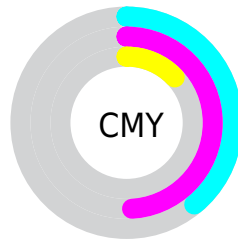
- Red (61%)
- Green (51%)
- Blue (87%)



- Red (61%)
- Yellow (51%)
- Blue (87%)



- Cyan (30%)
- Magenta (41%)
- Yellow (0%)
- Black (13%)





- Cyan (39%)
- Magenta (49%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3071, 0.2566, 0.2083 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 28.3071, 0.2566, 0.2083 by changing the saturation by 10% instead.

 28.3071, 0.2566,
0.2083


 28.3071, 0.2566,
0.2083


293.9315, 0.2872,
0.2676


 18.5573, 0.2484,
0.1942


 56.9744, 0.2682,
0.2294

 11.3508, 0.2376,
0.1767


 76.6606, 0.2724,
0.2374

 6.3033, 0.2229,
0.1546


 100.4278, 0.2760,
0.2443

 3.0304, 0.2021,
0.1261

128.6603, 0.2789,
0.2503

 1.1476, 0.1714,
0.0896

161.7425, 0.2814,
0.2554

 0.0183, 0.1298,
0.0032

200.0589, 0.2836,

 0.0000, 0.0000,

0.2600

0.0000

243.9937, 0.2855,
0.2640

■ 28.3071, 0.2566,
0.2083

■ 28.3071, 0.2566,
0.2083

■ 21.5390, 0.2394,
0.1757

■ 36.5596, 0.2727,
0.2406

■ 16.1613, 0.2217,
0.1445

■ 46.3762, 0.2872,
0.2713

■ 12.0740, 0.2046,
0.1166

■ 57.8347, 0.3001,
0.2998

■ 9.1620, 0.1890,
0.0940

■ 71.0067, 0.3113,
0.3255

■ 7.2886, 0.1759,
0.0781

■ 85.9594, 0.3208,
0.3486

■ 6.3179, 0.1671,
0.0694

■ 97.4083, 0.3299,
0.3614

■ 98.0528, 0.3322,
0.3612

Harmonies

Analogous

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



28.3071, 0.1981, 0.2012



28.3071, 0.2566, 0.2083



28.3071, 0.3403, 0.2389

Triad

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



28.3071, 0.2566, 0.2083



28.3071, 0.4753, 0.4087



28.3071, 0.2047, 0.3633

Complementary

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



28.3071, 0.2566, 0.2083



65.5829, 0.3540, 0.4387

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.



28.3071, 0.2695, 0.4527



28.3071, 0.2566, 0.2083



28.3071, 0.4260, 0.4646

Square

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



28.3071, 0.2566, 0.2083



28.3071, 0.4784, 0.3465



28.3071, 0.3506, 0.4899



28.3071, 0.1711, 0.2758

Rectangle

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



28.3071, 0.2566, 0.2083



28.3071, 0.3998, 0.2698



28.3071, 0.3506, 0.4899



28.3071, 0.2232, 0.3956

Sweetspot

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



28.3082, 0.2566, 0.2083



78.0762, 0.2993, 0.2979



50.1602, 0.2510, 0.2965



16.2455, 0.2977, 0.2943



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.



28.3082, 0.2566, 0.2083



30.3658, 0.2412, 0.1791



33.5944, 0.2970, 0.2211



13.4296, 0.3024, 0.3051



3.8020, 0.1683, 0.0701



0.3079, 0.1846, 0.0791

Inverse Universe

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



35.4833, 0.3431, 0.2533



41.6836, 0.3521, 0.2379



60.4686, 0.3209, 0.4513



13.8662, 0.3181, 0.3123



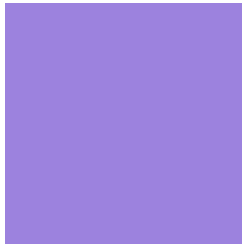
10.7382, 0.4076, 0.2019



0.7594, 0.3912, 0.1928

Previews

White Background



This preview shows how the Yxy color 28.3071, 0.2566, 0.2083 looks on a white background.

Color Contrast Check

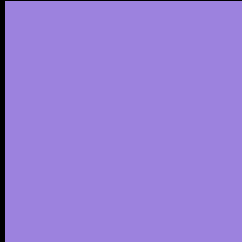
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3071, 0.2566, 0.2083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

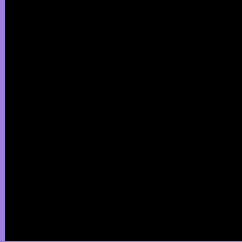
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3071, 0.2566, 0.2083

Background



This preview shows how black text looks on a background with the Yxy color 28.3071, 0.2566, 0.2083.



This preview shows how white text looks on a background with the Yxy color 28.3071, 0.2566, 0.2083.

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

28.3071, 0.2566, 0.2083

Protanopia

28.5442, 0.2196, 0.2034

Deuteranopia

28.3760, 0.2271, 0.2208



Tritanopia

28.1865, 0.3002, 0.3099

Trichromacy



Original Color

28.3071, 0.2566, 0.2083

Protanomaly

28.3461, 0.2314, 0.2050

Deuteranomaly

28.1446, 0.2367, 0.2156

Tritanomaly

28.0564, 0.2833, 0.2678

Monochromacy



Original Color

28.3071, 0.2566, 0.2083

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.7242, 0.2907, 0.2782

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3071, 0.2566, 0.2083 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(156, 130, 222)` looks like.

```
.text, #text, p{  
    color:rgb(156, 130, 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(156, 130, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 130, 222) }
```

Border

The CSS property to change the border of an element to Yxy 28.3071, 0.2566, 0.2083 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(156, 130, 222) }
```

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

```
.border{ border-color:rgb(156, 130, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 130, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 130, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 130, 222);  
box-shadow:4px 4px 4px 4px rgb(156, 130,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3071, 0.2566, 0.2083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 130, 222) }
```

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

```
.background{ background-color: rgb(156,  
130, 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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