

Converting Colors

$Y_{xy}(41.0770, 0.2644, 0.1896)$

Have a look what the booklet for
Yxy(41.0770, 0.2644, 0.1896)
contains.

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Color

Yxy(39.8251, 0.2789, 0.2062)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | D18DFF |
| RGB | 209, 141, 255 |
| RGB Percent | 82%, 55%, 100% |
| CMY | 0.1804, 0.4470, 0.0000 |
| CMYK | 0.18, 0.45, 0.00, 0.00 |
| HSL | 276°, 100%, 78% |
| HSV | 276°, 45%, 100% |
| XYZ | 53.8662, 39.8251, 99.4469 |
| YIQ | 174.3280, 3.9340, 49.8700 |

Conversions

Conversions Part 2

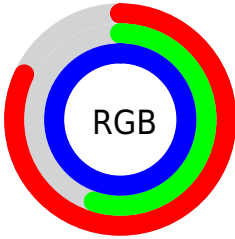
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 209, 141, 255 |
| Decimal | 13733375 |
| CIE Lab | 69.34, 45.91, -46.90 |
| CIE LCh | 69, 65.630, 314.387 |
| Yxy | 39.8251, 0.2789, 0.2062 |
| Android (android.graphics.Color) | 4291923455 (0xFFD18DFF) |
| YUV | 174.3280, 39.7713, 30.4073 |
| Hunter-Lab | 63.1071, 41.9245, -49.2567 |

Details

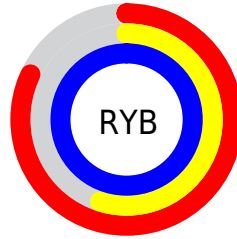
The Yxy color **39.8251, 0.2789, 0.2062** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **84.0029, 0.3332, 0.4584**, and the grayscale version is **42.2962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9599, 0.3154, 0.2712**, and **17.8974, 0.2669, 0.1788** is the 20% darker color. If you saturate the color by 10%, you get **31.6995, 0.2686, 0.1785**, and if you desaturate by 10%, it is **49.7817, 0.2883, 0.2350**.

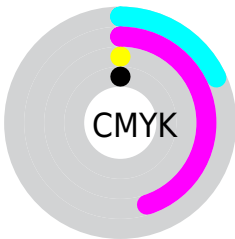
Distribution



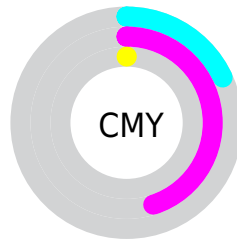
- Red (82%)
- Green (55%)
- Blue (100%)



- Red (82%)
- Yellow (55%)
- Blue (100%)



- Cyan (18%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (18%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8251, 0.2789, 0.2062 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 39.8251, 0.2789, 0.2062 by changing the saturation by 10% instead.


 39.8251, 0.2789,
0.2062


 39.8251, 0.2789,
0.2062

345.3858, 0.2975,
0.2623


 27.4022, 0.2740,
0.1939


 74.8971, 0.2859,
0.2253

 17.8755, 0.2675,
0.1789


 98.3150, 0.2885,
0.2329

 10.8607, 0.2589,
0.1607


 126.1667, 0.2906,
0.2394

 5.9732, 0.2469,
0.1380

158.8366, 0.2925,
0.2452

 2.8288, 0.2295,
0.1095

196.7090, 0.2940,
0.2502

 1.0430, 0.2028,
0.0745

240.1685, 0.2953,

 0.0000, 0.1660,

0.2547

0.0000

289.5993, 0.2965,
0.2587

■ 0.0000, 0.0000,
0.0000

■ 39.8251, 0.2789,
0.2062

■ 39.8251, 0.2789,
0.2062

■ 31.6995, 0.2686,
0.1785

■ 49.7817, 0.2883,
0.2350

■ 25.2778, 0.2578,
0.1531

■ 61.6751, 0.2967,
0.2637

■ 20.4240, 0.2467,
0.1316

■ 75.6088, 0.3039,
0.2913

■ 16.9780, 0.2359,
0.1148

■ 91.6772, 0.3101,
0.3174

■ 14.7435, 0.2257,
0.1033

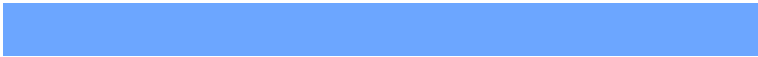
■ 99.9994, 0.3127,
0.3290

■ 13.9034, 0.2206,
0.0989

Harmonies

Analogous

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



39.8251, 0.2050, 0.1894



39.8251, 0.2789, 0.2062



39.8251, 0.3768, 0.2463

Triad

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



39.8251, 0.2789, 0.2062



39.8251, 0.4765, 0.4355



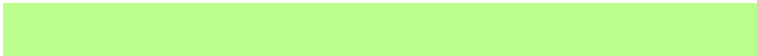
39.8251, 0.1775, 0.3300

Complementary

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



39.8251, 0.2789, 0.2062



84.0029, 0.3332, 0.4584

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.



39.8251, 0.2366, 0.4383



39.8251, 0.2789, 0.2062



39.8251, 0.4088, 0.4928

Square

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



39.8251, 0.2789, 0.2062



39.8251, 0.5014, 0.3681



39.8251, 0.3216, 0.5047



39.8251, 0.1543, 0.2445

Rectangle

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



39.8251, 0.2789, 0.2062



39.8251, 0.4395, 0.2829



39.8251, 0.3216, 0.5047



39.8251, 0.1933, 0.3660

Sweetspot

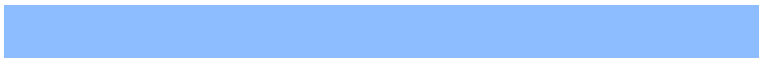
The Sweet Spot groups the original color and five complimentary colors.



39.8267, 0.2789, 0.2062



78.1934, 0.3051, 0.2959



49.0644, 0.2383, 0.2481



16.0225, 0.3036, 0.2900



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.



39.8267, 0.2789, 0.2062



32.2138, 0.2694, 0.1804



46.9337, 0.3259, 0.2272



17.9134, 0.3073, 0.3051



7.3548, 0.2222, 0.0998



0.7798, 0.2331, 0.1058

Inverse Universe

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



43.8992, 0.3830, 0.2814



37.0646, 0.4058, 0.2726



79.3959, 0.3017, 0.4581



18.1086, 0.3231, 0.3194



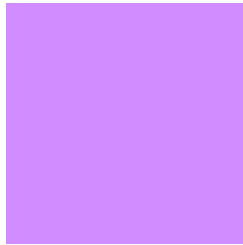
11.6472, 0.5370, 0.2732



1.1550, 0.5069, 0.2566

Previews

White Background



This preview shows how the Yxy color 39.8251, 0.2789, 0.2062 looks on a white background.

Color Contrast Check

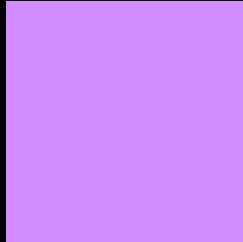
Large Text (above 18pt) WCAG AA × Fail

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 39.8251, 0.2789, 0.2062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

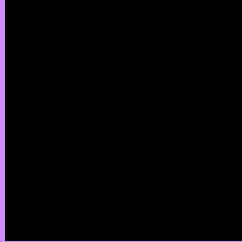
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.8251, 0.2789, 0.2062

Background



This preview shows how black text looks on a background with the Yxy color 39.8251, 0.2789, 0.2062.



This preview shows how white text looks on a background with the Yxy color 39.8251, 0.2789, 0.2062.

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

39.8251, 0.2789, 0.2062

Protanopia

40.2607, 0.2317, 0.2203

Deuteranopia

40.0583, 0.2326, 0.2259



Tritanopia

39.8559, 0.3366, 0.3136

Trichromacy



Original Color

39.8251, 0.2789, 0.2062



Protanomaly

39.5662, 0.2464, 0.2139



Deuteranomaly

39.1634, 0.2467, 0.2162

Tritanomaly

39.4642, 0.3146, 0.2691

Monochromacy



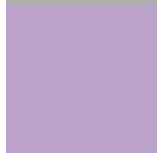
Original Color

39.8251, 0.2789, 0.2062



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

40.7173, 0.3008, 0.2771

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8251, 0.2789, 0.2062 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(209, 141, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 141, 255)  
}
```

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(209, 141, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 141, 255) }
```

Border

The CSS property to change the border of an element to Yxy 39.8251, 0.2789, 0.2062 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(209, 141, 255) }
```

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

```
.border{ border-color:rgb(209, 141, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 141, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 141, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 141, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 141,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8251, 0.2789, 0.2062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 141, 255) }
```

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

```
.background{ background-color: rgb(209,  
141, 255) }
```

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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