

Converting Colors

$Yxy(52.3144, 0.2797, 0.2294)$

Have a look what the booklet for
Yxy(52.3144, 0.2797, 0.2294)
contains.

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Color

Yxy(51.2512, 0.2875, 0.2395)

Conversions

Conversions Part 1

Format	Color
Hex	DAABFF
RGB	218, 171, 255
RGB Percent	85%, 67%, 100%
CMY	0.1450, 0.3294, 0.0002
CMYK	0.14, 0.33, 0.00, 0.00
HSL	274°, 100%, 84%
HSV	274°, 33%, 100%
XYZ	61.5228, 51.2512, 101.2184
YIQ	194.6290, 1.0480, 36.0880

Conversions

Conversions Part 2

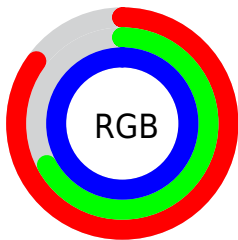
Format	Color
RYB	218, 171, 255
Decimal	14330879
CIELab	76.83, 32.38, -35.14
CIELCh	77, 47.785, 312.663
Yxy	51.2512, 0.2875, 0.2395
Android (android.graphics.Color)	4292520959 (0xFFDAABFF)
YUV	194.6290, 29.7629, 20.4964
Hunter-Lab	71.5899, 28.1166, -33.7150

Details

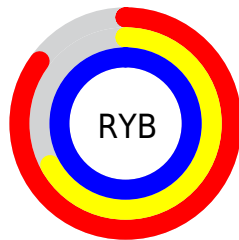
The Yxy color **51.2512, 0.2875, 0.2395** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **87.8340, 0.3310, 0.4207**, and the grayscale version is **54.1621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4182, 0.3140, 0.3019**, and **24.7155, 0.2798, 0.2191** is the 20% darker color. If you saturate the color by 10%, you get **40.8606, 0.2774, 0.2102**, and if you desaturate by 10%, it is **63.6207, 0.2965, 0.2684**.

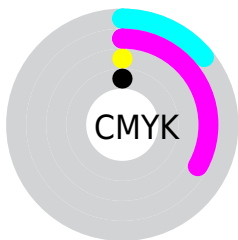
Distribution



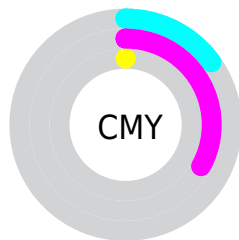
- Red (85%)
- Green (67%)
- Blue (100%)



- Red (85%)
- Yellow (67%)
- Blue (100%)



- Cyan (14%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (15%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.2512, 0.2875, 0.2395 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 51.2512, 0.2875, 0.2395 by changing the saturation by 10% instead.


 51.2512, 0.2875,
0.2395

 51.2512, 0.2875,
0.2395

391.5390, 0.3006,
0.2803

 36.4086, 0.2842,
0.2304


 92.0260, 0.2923,
0.2535

 24.7499, 0.2799,
0.2194


118.7269, 0.2941,
0.2590

 15.8908, 0.2743,
0.2056


150.1494, 0.2956,
0.2637

 9.4469, 0.2665,
0.1882

186.6778, 0.2969,
0.2679

 5.0338, 0.2554,
0.1655

228.6966, 0.2981,
0.2715

 2.2671, 0.2383,
0.1351

276.5901, 0.2990,

 0.7562, 0.2104,

0.2748

0.0935

330.7428, 0.2999,
0.2777

0.0000, 0.1517,
0.0000

0.0000, 0.0000,
0.0000

51.2512, 0.2875,
0.2395

51.2512, 0.2875,
0.2395

40.8606, 0.2774,
0.2102

63.6207, 0.2965,
0.2684

32.3329, 0.2663,
0.1816

78.0634, 0.3043,
0.2960

25.5498, 0.2545,
0.1551

94.6754, 0.3110,
0.3218

20.3763, 0.2426,
0.1320

99.9971, 0.3127,
0.3290

■ 16.6563, 0.2308,
0.1137

■ 14.2012, 0.2199,
0.1008

■ 13.0354, 0.2127,
0.0945

Harmonies

Analogous

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



51.2512, 0.2349, 0.2288



51.2512, 0.2875, 0.2395



51.2512, 0.3532, 0.2688

Triad

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



51.2512, 0.2875, 0.2395



51.2512, 0.4302, 0.4076



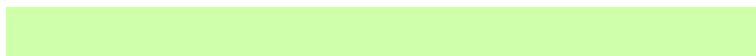
51.2512, 0.2205, 0.3364

Complementary

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



51.2512, 0.2875, 0.2395



87.8340, 0.3310, 0.4207

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.



51.2512, 0.2661, 0.4025



51.2512, 0.2875, 0.2395



51.2512, 0.3875, 0.4414

Square

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



51.2512, 0.2875, 0.2395



51.2512, 0.4407, 0.3602



51.2512, 0.3271, 0.4434



51.2512, 0.1996, 0.2767

Rectangle

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



51.2512, 0.2875, 0.2395



51.2512, 0.3947, 0.2961



51.2512, 0.3271, 0.4434



51.2512, 0.2332, 0.3592

Sweetspot

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



51.2533, 0.2875, 0.2395



82.7293, 0.3064, 0.3038



61.3708, 0.2590, 0.2760



17.2261, 0.3054, 0.3001



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.



51.2533, 0.2875, 0.2395



43.7209, 0.2804, 0.2188



57.3298, 0.3198, 0.2506



17.8794, 0.3067, 0.3051



6.9040, 0.2143, 0.0954



0.7370, 0.2258, 0.1018

Inverse Universe

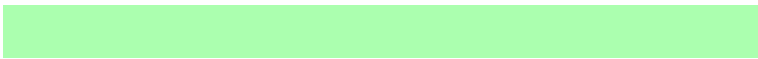
The Inverse Universe completely reimagines the original color for something new.



54.9317, 0.3558, 0.2909



48.1144, 0.3689, 0.2826



83.2530, 0.3059, 0.4224



18.1199, 0.3225, 0.3186



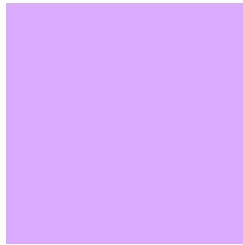
11.7514, 0.5218, 0.2648



1.1657, 0.4933, 0.2491

Previews

White Background



This preview shows how the Yxy color 51.2512, 0.2875, 0.2395 looks on a white background.

Color Contrast Check

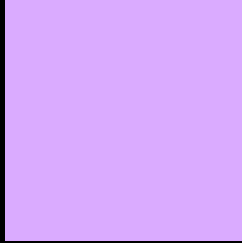
Large Text (above 18pt) WCAG AA × Fail

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 51.2512, 0.2875, 0.2395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

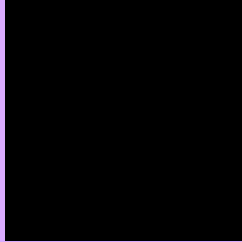
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.2512, 0.2875, 0.2395

Background



This preview shows how black text looks on a background with the Yxy color 51.2512, 0.2875, 0.2395.

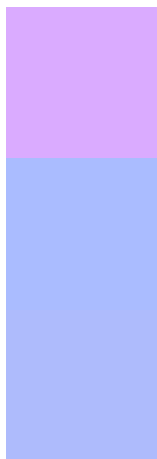


This preview shows how white text looks on a background with the Yxy color 51.2512, 0.2875, 0.2395.

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

51.2512, 0.2875, 0.2395

Protanopia

51.7325, 0.2552, 0.2509

Deuteranopia

51.5676, 0.2593, 0.2532



Tritanopia

51.4535, 0.3236, 0.3124

Trichromacy



Original Color

51.2512, 0.2875, 0.2395



Protanomaly

51.2407, 0.2656, 0.2462



Deuteranomaly

51.0867, 0.2688, 0.2475

Tritanomaly

51.2992, 0.3098, 0.2842

Monochromacy



Original Color

51.2512, 0.2875, 0.2395



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

52.8241, 0.3031, 0.2927

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.2512, 0.2875, 0.2395 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(218, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(218, 171, 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(218, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 171, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.2512, 0.2875, 0.2395 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(218, 171, 255) }
```

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

```
.border{ border-color:rgb(218, 171, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 171, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 171, 255); box-shadow:4px 4px 4px 4px rgb(218, 171, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.2512, 0.2875, 0.2395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 171, 255) }
```

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

```
.background{ background-color: rgb(218,  
171, 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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