

Converting Colors

Yxy(51.6388, 0.2838, 0.2417)

Have a look what the booklet for
Yxy(51.6388, 0.2838, 0.2417)
contains.

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Color

Yxy(51.6382, 0.2838, 0.2417)

Conversions

Conversions Part 1

Format	Color
Hex	D5AEFF
RGB	213, 174, 255
RGB Percent	84%, 68%, 100%
CMY	0.1646, 0.3177, 0.0000
CMYK	0.16, 0.32, 0.00, 0.00
HSL	269°, 100%, 84%
HSV	269°, 32%, 100%
XYZ	60.6327, 51.6382, 101.3750
YIQ	194.8950, -2.7570, 33.4590

Conversions

Conversions Part 2

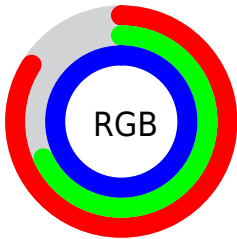
Format	Color
R _Y B	213, 174, 255
Decimal	14003967
CIE Lab	77.06, 29.28, -34.84
CIE LCh	77, 45.510, 310.048
Yxy	51.6382, 0.2838, 0.2417
Android (android.graphics.Color)	4292194047 (0xFFD5AEFF)
YUV	194.8950, 29.6318, 15.8781
Hunter-Lab	71.8597, 24.8575, -33.3406

Details

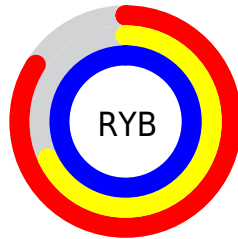
The Yxy color **51.6382, 0.2838, 0.2417** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **89.1652, 0.3345, 0.4160**, and the grayscale version is **54.3319, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0736, 0.3138, 0.3048**, and **24.9201, 0.2751, 0.2216** is the 20% darker color. If you saturate the color by 10%, you get **40.8098, 0.2719, 0.2114**, and if you desaturate by 10%, it is **64.5018, 0.2944, 0.2711**.

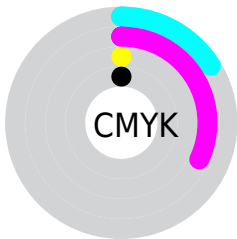
Distribution



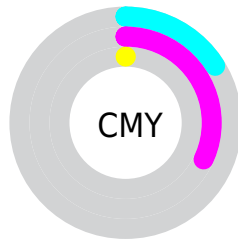
- Red (84%)
- Green (68%)
- Blue (100%)



- Red (84%)
- Yellow (68%)
- Blue (100%)



- Cyan (16%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)





- Cyan (16%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.6382, 0.2838, 0.2417 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 51.6382, 0.2838, 0.2417 by changing the saturation by 10% instead.

 51.6382, 0.2838,
0.2417

 51.6382, 0.2838,
0.2417

393.0383, 0.2986,
0.2816

 36.7168, 0.2801,
0.2328


 92.5974, 0.2892,
0.2554

 24.9883, 0.2754,
0.2219


119.4040, 0.2912,
0.2608

 16.0683, 0.2692,
0.2084


150.9412, 0.2929,
0.2654

 9.5725, 0.2608,
0.1912

187.5932, 0.2944,
0.2695

 5.1165, 0.2488,
0.1687

229.7445, 0.2956,
0.2731

 2.3158, 0.2307,
0.1385

277.7795, 0.2968,

 0.7820, 0.2012,

0.2762

0.0971

332.0827, 0.2977,
0.2791

0.0000, 0.1364,
0.0000

0.0000, 0.0000,
0.0000

51.6382, 0.2838,
0.2417

51.6382, 0.2838,
0.2417

40.8098, 0.2719,
0.2114

64.5018, 0.2944,
0.2711

31.9004, 0.2590,
0.1815

79.4956, 0.3036,
0.2990

24.7912, 0.2453,
0.1532

96.7164, 0.3115,
0.3247

19.3475, 0.2315,
0.1283

99.9997, 0.3127,
0.3290

■ 15.4144, 0.2182,
0.1082

■ 12.8059, 0.2059,
0.0938

■ 11.4233, 0.1969,
0.0859

Harmonies

Analogous

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



51.6382, 0.2351, 0.2332



51.6382, 0.2838, 0.2417



51.6382, 0.3458, 0.2685

Triad

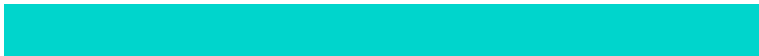
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



51.6382, 0.2838, 0.2417



51.6382, 0.4270, 0.4009



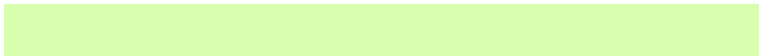
51.6382, 0.2278, 0.3419

Complementary

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



51.6382, 0.2838, 0.2417



89.1652, 0.3345, 0.4160

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.



51.6382, 0.2733, 0.4032



51.6382, 0.2838, 0.2417



51.6382, 0.3887, 0.4343

Square

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



51.6382, 0.2838, 0.2417



51.6382, 0.4335, 0.3552



51.6382, 0.3321, 0.4387



51.6382, 0.2054, 0.2838

Rectangle

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



51.6382, 0.2838, 0.2417



51.6382, 0.3859, 0.2941



51.6382, 0.3321, 0.4387



51.6382, 0.2407, 0.3634

Sweetspot

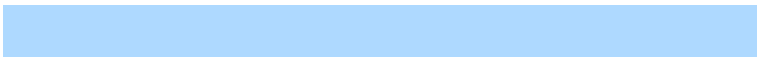
The Sweet Spot groups the original color and five complimentary colors.



51.6403, 0.2838, 0.2417



82.3759, 0.3051, 0.3037



65.9437, 0.2619, 0.2861



17.1406, 0.3039, 0.2999



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.



51.6403, 0.2838, 0.2417



44.6589, 0.2766, 0.2229



58.2399, 0.3143, 0.2493



17.8073, 0.3055, 0.3050



6.0570, 0.1986, 0.0868



0.6544, 0.2110, 0.0936

Inverse Universe

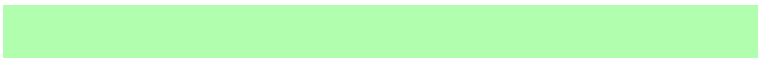
The Inverse Universe completely reimagines the original color for something new.



56.4842, 0.3482, 0.2861



50.3166, 0.3578, 0.2774



83.8842, 0.3099, 0.4229



18.1442, 0.3213, 0.3168



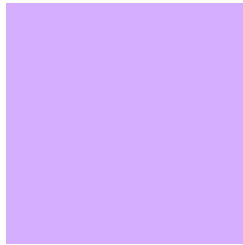
12.0111, 0.4888, 0.2466



1.1916, 0.4644, 0.2332

Previews

White Background



This preview shows how the Yxy color 51.6382, 0.2838, 0.2417 looks on a white background.

Color Contrast Check

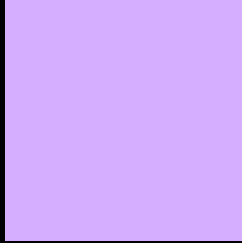
Large Text (above 18pt) WCAG AA × Fail

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 51.6382, 0.2838, 0.2417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

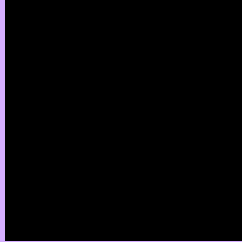
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.6382, 0.2838, 0.2417

Background



This preview shows how black text looks on a background with the Yxy color 51.6382, 0.2838, 0.2417.

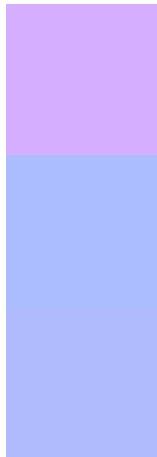


This preview shows how white text looks on a background with the Yxy color 51.6382, 0.2838, 0.2417.

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

51.6382, 0.2838, 0.2417

Protanopia

51.8444, 0.2558, 0.2511

Deuteranopia

51.6829, 0.2599, 0.2534



Tritanopia

51.6588, 0.3177, 0.3122

Trichromacy



Original Color

51.6382, 0.2838, 0.2417



Protanomaly

51.5261, 0.2650, 0.2472



Deuteranomaly

51.3666, 0.2682, 0.2485



Tritanomaly

51.4276, 0.3049, 0.2849

Monochromacy



Original Color

51.6382, 0.2838, 0.2417



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

53.1070, 0.3023, 0.2938

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6382, 0.2838, 0.2417 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(213, 174, 255)` looks like.

```
.text, #text, p{  
    color:rgb(213, 174, 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(213, 174, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 174, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.6382, 0.2838, 0.2417 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(213, 174, 255) }
```

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

```
.border{ border-color:rgb(213, 174, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 174, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 174, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 174, 255);  
box-shadow:4px 4px 4px 4px rgb(213, 174,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6382, 0.2838, 0.2417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 174, 255) }
```

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

```
.background{ background-color: rgb(213,  
174, 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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