

Converting Colors

Yxy(51.7904, 0.2845, 0.2419)

Have a look what the booklet for
Yxy(51.7904, 0.2845, 0.2419)
contains.

Yxy(51.7882, 0.2845, 0.2419)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(51.7882, 0.2845, 0.2419)

Conversions

Conversions Part 1

Format	Color
Hex	D6AEFF
RGB	214, 174, 255
RGB Percent	84%, 68%, 100%
CMY	0.1609, 0.3176, 0.0000
CMYK	0.16, 0.32, 0.00, 0.00
HSL	270°, 100%, 84%
HSV	270°, 32%, 100%
XYZ	60.9084, 51.7882, 101.3927
YIQ	195.1940, -2.1610, 33.6710

Conversions

Conversions Part 2

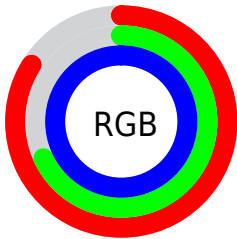
Format	Color
R _Y B	214, 174, 255
Decimal	14069503
CIE Lab	77.15, 29.55, -34.69
CIE LCh	77, 45.570, 310.418
Yxy	51.7882, 0.2845, 0.2419
Android (android.graphics.Color)	4292259583 (0xFFD6AEFF)
YUV	195.1940, 29.4844, 16.4929
Hunter-Lab	71.9640, 25.1406, -33.1610

Details

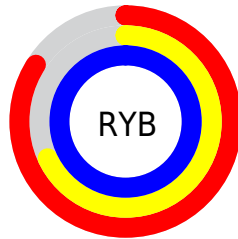
The Yxy color **51.7882, 0.2845, 0.2419** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **89.0328, 0.3339, 0.4161**, and the grayscale version is **54.5163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0736, 0.3138, 0.3048**, and **25.0211, 0.2761, 0.2219** is the 20% darker color. If you saturate the color by 10%, you get **40.9863, 0.2729, 0.2118**, and if you desaturate by 10%, it is **64.6189, 0.2948, 0.2712**.

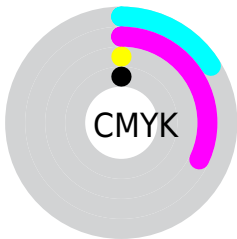
Distribution



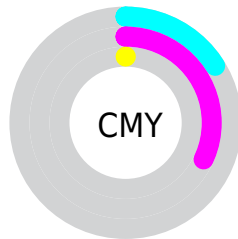
- Red (84%)
- Green (68%)
- Blue (100%)



- 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 51.7882, 0.2845, 0.2419 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 51.7882, 0.2845, 0.2419 by changing the saturation by 10% instead.

 51.7882, 0.2845,
0.2419

 51.7882, 0.2845,
0.2419

393.6184, 0.2990,
0.2817

 36.8363, 0.2809,
0.2330


 92.8188, 0.2898,
0.2556

 25.0808, 0.2763,
0.2222


119.6663, 0.2917,
0.2609

 16.1372, 0.2702,
0.2087


151.2477, 0.2934,
0.2655

 9.6213, 0.2620,
0.1916

187.9475, 0.2948,
0.2696

 5.1486, 0.2502,
0.1692

230.1501, 0.2961,
0.2732

 2.3347, 0.2324,
0.1391

278.2399, 0.2972,

 0.7920, 0.2034,

0.2763

0.0979

332.6012, 0.2981,
0.2792

■ 0.0000, 0.1410,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.7882, 0.2845,
0.2419

■ 51.7882, 0.2845,
0.2419

■ 40.9863, 0.2729,
0.2118

■ 64.6189, 0.2948,
0.2712

■ 32.0970, 0.2602,
0.1820

■ 79.5731, 0.3038,
0.2990

■ 25.0021, 0.2469,
0.1539

■ 96.7472, 0.3115,
0.3247

■ 19.5670, 0.2333,
0.1292

■ 100.0000, 0.3127,
0.3290

■ 15.6370, 0.2201,
0.1093

■ 13.0268, 0.2080,
0.0950

■ 11.6381, 0.1991,
0.0870

Harmonies

Analogous

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



51.7882, 0.2356, 0.2332



51.7882, 0.2845, 0.2419



51.7882, 0.3466, 0.2689

Triad

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



51.7882, 0.2845, 0.2419



51.7882, 0.4267, 0.4014



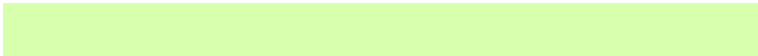
51.7882, 0.2273, 0.3411

Complementary

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



51.7882, 0.2845, 0.2419



89.0328, 0.3339, 0.4161

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.



51.7882, 0.2726, 0.4026



51.7882, 0.2845, 0.2419



51.7882, 0.3881, 0.4346

Square

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



51.7882, 0.2845, 0.2419



51.7882, 0.4337, 0.3558



51.7882, 0.3314, 0.4385



51.7882, 0.2052, 0.2831

Rectangle

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



51.7882, 0.2845, 0.2419



51.7882, 0.3866, 0.2946



51.7882, 0.3314, 0.4385



51.7882, 0.2401, 0.3626

Sweetspot

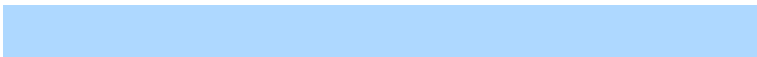
The Sweet Spot groups the original color and five complimentary colors.



51.7903, 0.2845, 0.2419



82.4266, 0.3052, 0.3037



65.2610, 0.2618, 0.2846



17.1528, 0.3041, 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.



51.7903, 0.2845, 0.2419



44.8143, 0.2774, 0.2231



58.5050, 0.3154, 0.2495



17.8176, 0.3056, 0.3050



6.1696, 0.2008, 0.0880



0.6655, 0.2131, 0.0947

Inverse Universe

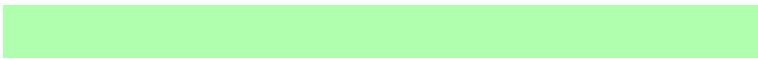
The Inverse Universe completely reimagines the original color for something new.



56.4494, 0.3490, 0.2870



50.2630, 0.3589, 0.2785



83.7336, 0.3091, 0.4231



18.1407, 0.3214, 0.3170



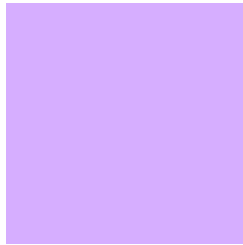
11.9704, 0.4936, 0.2493



1.1876, 0.4685, 0.2355

Previews

White Background



This preview shows how the Yxy color 51.7882, 0.2845, 0.2419 looks on a white background.

Color Contrast Check

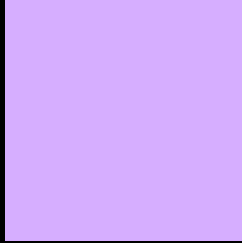
Large Text (above 18pt) WCAG AA × Fail

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 51.7882, 0.2845, 0.2419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

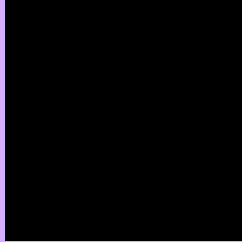
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.7882, 0.2845, 0.2419

Background



This preview shows how black text looks on a background with the Yxy color 51.7882, 0.2845, 0.2419.



This preview shows how white text looks on a background with the Yxy color 51.7882, 0.2845, 0.2419.

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

51.7882, 0.2845, 0.2419

Protanopia

51.8444, 0.2558, 0.2511

Deuteranopia

52.1087, 0.2601, 0.2546



Tritanopia

51.8006, 0.3185, 0.3123

Trichromacy



Original Color

51.7882, 0.2845, 0.2419



Protanomaly

51.6518, 0.2657, 0.2474



Deuteranomaly

51.7776, 0.2683, 0.2496

Tritanomaly

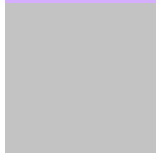
51.5721, 0.3057, 0.2850

Monochromacy



Original Color

51.7882, 0.2845, 0.2419



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 51.7882, 0.2845, 0.2419 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(214, 174, 255)` looks like.

```
.text, #text, p{  
    color:rgb(214, 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(214, 174, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 174, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.7882, 0.2845, 0.2419 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(214, 174, 255) }
```

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

```
.border{ border-color:rgb(214, 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(214, 174, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 174, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 174, 255);  
box-shadow:4px 4px 4px 4px rgb(214, 174,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7882, 0.2845, 0.2419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 174, 255) }
```

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

```
.background{ background-color: rgb(214,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor