

Converting Colors

$Y_{xy}(59.7787, 0.2284, 0.1642)$

Have a look what the booklet for
Yxy(59.7787, 0.2284, 0.1642)
contains.

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Color

Yxy(50.6420, 0.2844, 0.2387)

Conversions

Conversions Part 1

Format	Color
Hex	D6ABFF
RGB	214, 171, 255
RGB Percent	84%, 67%, 100%
CMY	0.1608, 0.3294, 0.0001
CMYK	0.16, 0.33, 0.00, 0.00
HSL	271°, 100%, 84%
HSV	271°, 33%, 100%
XYZ	60.3376, 50.6420, 101.1779
YIQ	193.4330, -1.3360, 35.2400

Conversions

Conversions Part 2

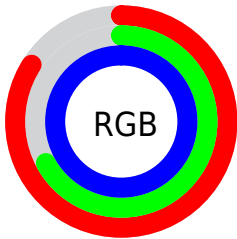
Format	Color
RYB	214, 171, 255
Decimal	14068735
CIELab	76.46, 31.18, -35.75
CIELCh	76, 47.436, 311.093
Yxy	50.6420, 0.2844, 0.2387
Android (android.graphics.Color)	4292258815 (0xFFD6ABFF)
YUV	193.4330, 30.3525, 18.0373
Hunter-Lab	71.1632, 26.8104, -34.4827

Details

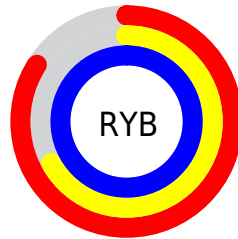
The Yxy color **50.6420, 0.2844, 0.2387** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **88.4398, 0.3336, 0.4199**, and the grayscale version is **53.4156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4182, 0.3140, 0.3019**, and **24.3032, 0.2758, 0.2178** is the 20% darker color. If you saturate the color by 10%, you get **40.1203, 0.2731, 0.2088**, and if you desaturate by 10%, it is **63.1687, 0.2945, 0.2680**.

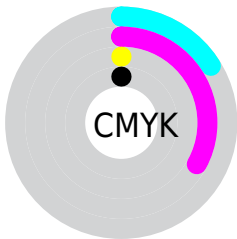
Distribution



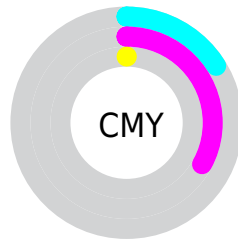
- Red (84%)
- Green (67%)
- Blue (100%)



- Red (84%)
- Yellow (67%)
- Blue (100%)



- Cyan (16%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (16%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.6420, 0.2844, 0.2387 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 50.6420, 0.2844, 0.2387 by changing the saturation by 10% instead.


 50.6420, 0.2844,
0.2387

 50.6420, 0.2844,
0.2387


389.1713, 0.2990,
0.2800

 35.9238, 0.2807,
0.2295

 91.1254, 0.2898,
0.2529

 24.3753, 0.2760,
0.2183


117.6593, 0.2918,
0.2584

 15.6123, 0.2698,
0.2044


148.9006, 0.2934,
0.2632

 9.2502, 0.2614,
0.1866

185.2336, 0.2949,
0.2674

 4.9047, 0.2492,
0.1636

227.0428, 0.2961,
0.2711

 2.1915, 0.2308,
0.1328

274.7126, 0.2972,

 0.7153, 0.2010,

0.2744

0.0902

328.6273, 0.2982,
0.2773

0.0000, 0.1322,
0.0000

0.0000, 0.0000,
0.0000

50.6420, 0.2844,
0.2387

50.6420, 0.2844,
0.2387

40.1203, 0.2731,
0.2088

63.1687, 0.2945,
0.2680

31.4871, 0.2608,
0.1794

77.7959, 0.3032,
0.2959

24.6229, 0.2478,
0.1520

94.6202, 0.3107,
0.3218

19.3917, 0.2347,
0.1281

99.9982, 0.3127,
0.3290

■ 15.6365, 0.2220,
0.1090

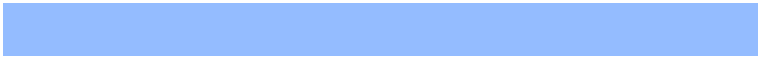
■ 13.1674, 0.2103,
0.0956

■ 12.0041, 0.2027,
0.0891

Harmonies

Analogous

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



50.6420, 0.2330, 0.2291



50.6420, 0.2844, 0.2387



50.6420, 0.3496, 0.2671

Triad

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



50.6420, 0.2844, 0.2387



50.6420, 0.4313, 0.4051



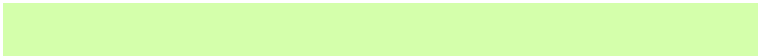
50.6420, 0.2226, 0.3400

Complementary

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



50.6420, 0.2844, 0.2387



88.4398, 0.3336, 0.4199

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.



50.6420, 0.2692, 0.4053



50.6420, 0.2844, 0.2387



50.6420, 0.3901, 0.4399

Square

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



50.6420, 0.2844, 0.2387



50.6420, 0.4398, 0.3576



50.6420, 0.3304, 0.4439



50.6420, 0.2004, 0.2795

Rectangle

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



50.6420, 0.2844, 0.2387



50.6420, 0.3915, 0.2939



50.6420, 0.3304, 0.4439



50.6420, 0.2357, 0.3627

Sweetspot

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



50.6441, 0.2844, 0.2387



82.5108, 0.3056, 0.3037



63.4631, 0.2596, 0.2810



17.1732, 0.3045, 0.3000



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.



50.6441, 0.2844, 0.2387



43.0112, 0.2765, 0.2175



57.6044, 0.3166, 0.2470



17.8348, 0.3059, 0.3050



6.3632, 0.2044, 0.0900



0.6846, 0.2165, 0.0967

Inverse Universe

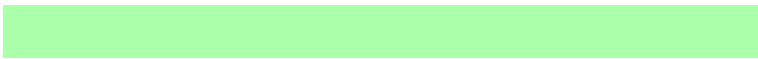
The Inverse Universe completely reimagines the original color for something new.



55.1396, 0.3522, 0.2869



48.3443, 0.3641, 0.2777



83.1025, 0.3081, 0.4274



18.1349, 0.3217, 0.3175



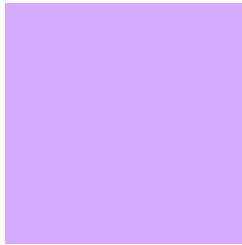
11.9055, 0.5015, 0.2536



1.1812, 0.4754, 0.2392

Previews

White Background



This preview shows how the Yxy color 50.6420, 0.2844, 0.2387 looks on a white background.

Color Contrast Check

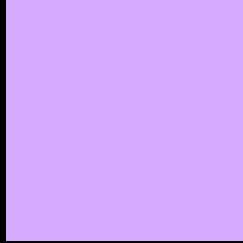
Large Text (above 18pt) WCAG AA × Fail

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 50.6420, 0.2844, 0.2387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

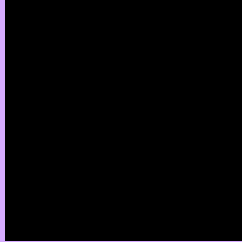
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.6420, 0.2844, 0.2387

Background



This preview shows how black text looks on a background with the Yxy color 50.6420, 0.2844, 0.2387.



This preview shows how white text looks on a background with the Yxy color 50.6420, 0.2844, 0.2387.

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

50.6420, 0.2844, 0.2387

Protanopia

51.0855, 0.2538, 0.2495

Deuteranopia

50.9167, 0.2578, 0.2518



Tritanopia

50.7356, 0.3194, 0.3122

Trichromacy



Original Color

50.6420, 0.2844, 0.2387

Protanomaly

50.5820, 0.2641, 0.2448

Deuteranomaly

50.7044, 0.2667, 0.2470

Tritanomaly

50.7121, 0.3065, 0.2837

Monochromacy



Original Color

50.6420, 0.2844, 0.2387

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

52.0733, 0.3023, 0.2924

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6420, 0.2844, 0.2387 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, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(214, 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(214, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 171, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.6420, 0.2844, 0.2387 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, 171, 255) }
```

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

```
.border{ border-color:rgb(214, 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(214, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(214, 171,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6420, 0.2844, 0.2387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 171, 255) }
```

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

```
.background{ background-color: rgb(214,  
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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