

Converting Colors

$Y_{xy}(46.7869, 0.2599, 0.1863)$

Have a look what the booklet for
Yxy(46.7869, 0.2599, 0.1863)
contains.

Yxy(43.9381, 0.2867, 0.2177)	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(43.9381, 0.2867, 0.2177)

Conversions

Conversions Part 1

Format	Color
Hex	DA96FF
RGB	218, 150, 255
RGB Percent	85%, 59%, 100%
CMY	0.1452, 0.4117, 0.0001
CMYK	0.15, 0.41, 0.00, 0.00
HSL	279°, 100%, 79%
HSV	279°, 41%, 100%
XYZ	57.8643, 43.9381, 100.0263
YIQ	182.3020, 6.8230, 47.0710

Conversions

Conversions Part 2

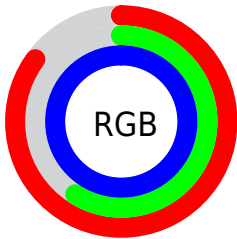
Format	Color
R _Y B	218, 150, 255
Decimal	14325503
CIE _{Lab}	72.19, 43.65, -42.38
CIE _{LCh}	72, 60.837, 315.848
Y _{xy}	43.9381, 0.2867, 0.2177
Android (android.graphics.Color)	4292515583 (0xFFDA96FF)
Y _{UV}	182.3020, 35.8401, 31.3071
Hunter-Lab	66.2858, 39.8216, -43.0694

Details

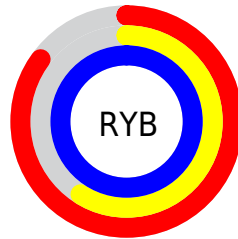
The Yxy color $43.9381, 0.2867, 0.2177$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $84.2802, 0.3287, 0.4485$, and the grayscale version is $46.7516, 0.3127, 0.3290$.

A 20% lighter version of the original color is $72.1426, 0.3150, 0.2801$, and $20.2037, 0.2774, 0.1921$ is the 20% darker color. If you saturate the color by 10%, you get $35.3193, 0.2781, 0.1903$, and if you desaturate by 10%, it is $54.4060, 0.2945, 0.2459$.

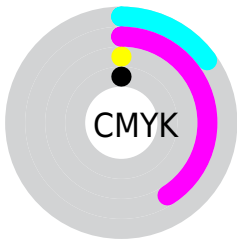
Distribution



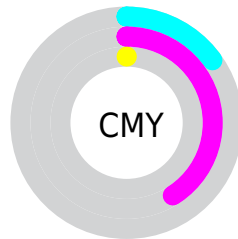
- Red (85%)
- Green (59%)
- Blue (100%)



- Red (85%)
- Yellow (59%)
- Blue (100%)



- Cyan (15%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)





- Cyan (15%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.9381, 0.2867, 0.2177 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 43.9381, 0.2867, 0.2177 by changing the saturation by 10% instead.


 43.9381, 0.2867,
0.2177


 43.9381, 0.2867,
0.2177


362.4556, 0.3011,
0.2684

 30.6218, 0.2829,
0.2065


 81.1246, 0.2921,
0.2350

 20.3111, 0.2779,
0.1930


 105.7636, 0.2941,
0.2418

 12.6214, 0.2712,
0.1763


134.9457, 0.2958,
0.2477

 7.1683, 0.2618,
0.1554

169.0552, 0.2972,
0.2529

 3.5676, 0.2481,
0.1289

208.4766, 0.2984,
0.2574

 1.4348, 0.2267,
0.0950

253.5942, 0.2994,

 0.2421, 0.1952,

0.2615

0.0342

304.7924, 0.3003,
0.2651

0.0000, 0.0903,
0.0000

0.0000, 0.0000,
0.0000

43.9381, 0.2867,
0.2177

43.9381, 0.2867,
0.2177

35.3193, 0.2781,
0.1903

54.4060, 0.2945,
0.2459

28.4270, 0.2688,
0.1649

66.8244, 0.3013,
0.2739

23.1321, 0.2591,
0.1428

81.2934, 0.3072,
0.3008

19.2841, 0.2494,
0.1252

97.9048, 0.3122,
0.3262

■ 16.7028, 0.2401,
0.1127

99.9991, 0.3127,
0.3290

■ 15.2302, 0.2323,
0.1053

Harmonies

Analogous

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



43.9381, 0.2173, 0.2011



43.9381, 0.2867, 0.2177



43.9381, 0.3751, 0.2560

Triad

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



43.9381, 0.2867, 0.2177



43.9381, 0.4605, 0.4318



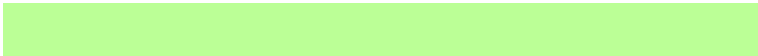
43.9381, 0.1880, 0.3266

Complementary

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



43.9381, 0.2867, 0.2177



84.2802, 0.3287, 0.4485

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.



43.9381, 0.2415, 0.4215



43.9381, 0.2867, 0.2177



43.9381, 0.3987, 0.4797

Square

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



43.9381, 0.2867, 0.2177



43.9381, 0.4834, 0.3704



43.9381, 0.3188, 0.4836



43.9381, 0.1672, 0.2507

Rectangle

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



43.9381, 0.2867, 0.2177



43.9381, 0.4302, 0.2906



43.9381, 0.3188, 0.4836



43.9381, 0.2023, 0.3581

Sweetspot

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



43.9399, 0.2867, 0.2177



80.0180, 0.3068, 0.2986



49.8869, 0.2433, 0.2491



16.7019, 0.3061, 0.2952



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.



43.9399, 0.2867, 0.2177



37.0413, 0.2800, 0.1961



49.4251, 0.3292, 0.2392



17.9613, 0.3081, 0.3052



8.0457, 0.2337, 0.1061



0.8445, 0.2437, 0.1116

Inverse Universe

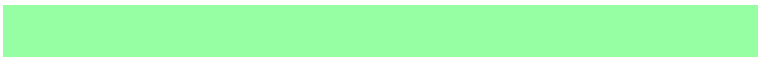
The Inverse Universe completely reimagines the original color for something new.



46.6633, 0.3806, 0.2906



40.2981, 0.4004, 0.2837



80.6772, 0.2999, 0.4396



18.0928, 0.3239, 0.3207



11.5190, 0.5574, 0.2844



1.1414, 0.5259, 0.2671

Previews

White Background



This preview shows how the Yxy color 43.9381, 0.2867, 0.2177 looks on a white background.

Color Contrast Check

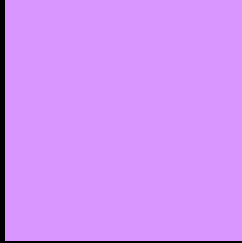
Large Text (above 18pt) WCAG AA × Fail

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 43.9381, 0.2867, 0.2177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

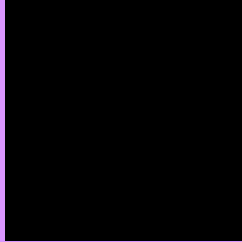
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.9381, 0.2867, 0.2177

Background



This preview shows how black text looks on a background with the Yxy color 43.9381, 0.2867, 0.2177.

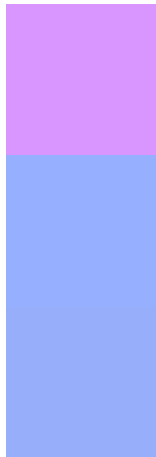


This preview shows how white text looks on a background with the Yxy color 43.9381, 0.2867, 0.2177.

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

43.9381, 0.2867, 0.2177

Protanopia

44.3640, 0.2405, 0.2322

Deuteranopia

44.1414, 0.2437, 0.2372



Tritanopia

43.6489, 0.3386, 0.3130

Trichromacy



Original Color

43.9381, 0.2867, 0.2177



Protanomaly

43.6064, 0.2553, 0.2255



Deuteranomaly

43.4147, 0.2570, 0.2283

Tritanomaly

43.3482, 0.3181, 0.2735

Monochromacy



Original Color

43.9381, 0.2867, 0.2177



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

44.9550, 0.3028, 0.2813

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.9381, 0.2867, 0.2177 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, 150, 255)` looks like.

```
.text, #text, p{  
    color:rgb(218, 150, 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, 150, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 150, 255) }
```

Border

The CSS property to change the border of an element to Yxy 43.9381, 0.2867, 0.2177 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, 150, 255) }
```

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

```
.border{ border-color:rgb(218, 150, 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, 150, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 150, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 150, 255);  
box-shadow:4px 4px 4px 4px rgb(218, 150,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 43.9381, 0.2867, 0.2177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 150, 255) }
```

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

```
.background{ background-color: rgb(218,  
150, 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