

Converting Colors

$Y_{xy}(49.0875, 0.2861, 0.2336)$

Have a look what the booklet for
Yxy(49.0875, 0.2861, 0.2336)
contains.

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Color

Yxy(49.2441, 0.2865, 0.2340)

Conversions

Conversions Part 1

Format	Color
Hex	D9A6FF
RGB	217, 166, 255
RGB Percent	85%, 65%, 100%
CMY	0.1491, 0.3489, 0.0001
CMYK	0.15, 0.35, 0.00, 0.00
HSL	274°, 100%, 83%
HSV	274°, 35%, 100%
XYZ	60.2925, 49.2441, 100.9083
YIQ	191.3950, 1.8270, 38.4910

Conversions

Conversions Part 2

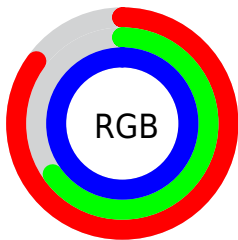
Format	Color
R _Y B	217, 166, 255
Decimal	14264063
CIE Lab	75.60, 34.77, -37.06
CIE LCh	76, 50.817, 313.179
Yxy	49.2441, 0.2865, 0.2340
Android (android.graphics.Color)	4292454143 (0xFFD9A6FF)
YUV	191.3950, 31.3573, 22.4556
Hunter-Lab	70.1741, 30.5595, -36.1353

Details

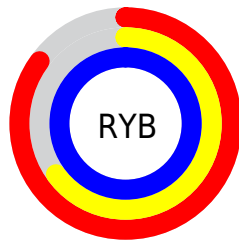
The Yxy color $49.2441, 0.2865, 0.2340$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $87.0928, 0.3311, 0.4270$, and the grayscale version is $52.1557, 0.3127, 0.3290$.

A 20% lighter version of the original color is $80.7226, 0.3142, 0.2970$, and $23.4645, 0.2785, 0.2122$ is the 20% darker color. If you saturate the color by 10%, you get $39.2620, 0.2765, 0.2049$, and if you desaturate by 10%, it is $61.1778, 0.2954, 0.2629$.

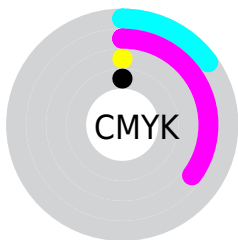
Distribution



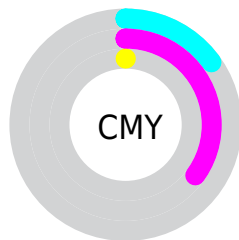
- Red (85%)
- Green (65%)
- Blue (100%)



- Red (85%)
- Yellow (65%)
- Blue (100%)



- Cyan (15%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)





- Cyan (15%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.2441, 0.2865, 0.2340 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 49.2441, 0.2865, 0.2340 by changing the saturation by 10% instead.


 49.2441, 0.2865,
0.2340


 49.2441, 0.2865,
0.2340

383.7025, 0.3003,
0.2773

 34.8132, 0.2830,
0.2244


 89.0539, 0.2916,
0.2488

 23.5190, 0.2784,
0.2127


 115.2015, 0.2935,
0.2547

 14.9772, 0.2724,
0.1981


146.0235, 0.2951,
0.2597

 8.8034, 0.2641,
0.1797

181.9042, 0.2964,
0.2641

 4.6132, 0.2521,
0.1559

223.2281, 0.2976,
0.2680

 2.0221, 0.2337,
0.1243

270.3795, 0.2986,

 0.6203, 0.2041,

0.2715

0.0796

323.7428, 0.2995,
0.2746

0.0000, 0.1325,
0.0000

0.0000, 0.0000,
0.0000

49.2441, 0.2865,
0.2340

49.2441, 0.2865,
0.2340

39.2620, 0.2765,
0.2049

61.1778, 0.2954,
0.2629

31.1142, 0.2656,
0.1768

75.1593, 0.3032,
0.2908

24.6800, 0.2541,
0.1511

91.2854, 0.3099,
0.3169

19.8209, 0.2424,
0.1291

99.9980, 0.3127,
0.3290

■ 16.3760, 0.2311,
0.1121

■ 14.1479, 0.2205,
0.1004

■ 13.3360, 0.2155,
0.0961

Harmonies

Analogous

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



49.2441, 0.2302, 0.2221



49.2441, 0.2865, 0.2340



49.2441, 0.3573, 0.2653

Triad

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



49.2441, 0.2865, 0.2340



49.2441, 0.4380, 0.4130



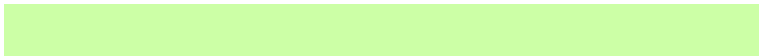
49.2441, 0.2133, 0.3353

Complementary

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



49.2441, 0.2865, 0.2340



87.0928, 0.3311, 0.4270

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.



49.2441, 0.2612, 0.4077



49.2441, 0.2865, 0.2340



49.2441, 0.3912, 0.4501

Square

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



49.2441, 0.2865, 0.2340



49.2441, 0.4507, 0.3623



49.2441, 0.3263, 0.4527



49.2441, 0.1919, 0.2714

Rectangle

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



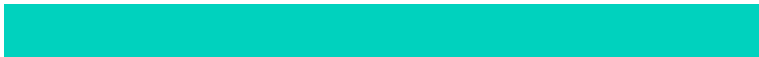
49.2441, 0.2865, 0.2340



49.2441, 0.4021, 0.2943



49.2441, 0.3263, 0.4527



49.2441, 0.2265, 0.3601

Sweetspot

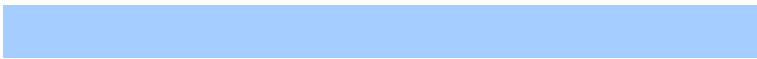
The Sweet Spot groups the original color and five complimentary colors.



49.2461, 0.2865, 0.2340



82.7884, 0.3066, 0.3038



58.7816, 0.2554, 0.2705



17.2404, 0.3056, 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.



49.2461, 0.2865, 0.2340



41.9616, 0.2795, 0.2133



55.3756, 0.3215, 0.2473



17.8915, 0.3069, 0.3051



7.0601, 0.2171, 0.0969



0.7519, 0.2284, 0.1032

Inverse Universe

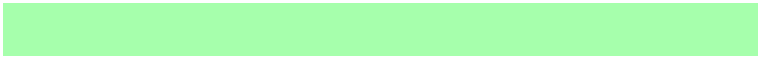
The Inverse Universe completely reimagines the original color for something new.



52.8937, 0.3603, 0.2898



46.2874, 0.3743, 0.2817



82.5861, 0.3047, 0.4271



18.1159, 0.3227, 0.3189



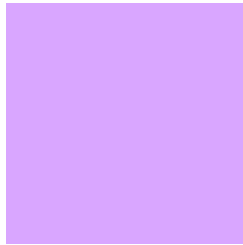
11.7131, 0.5272, 0.2678



1.1618, 0.4982, 0.2518

Previews

White Background



This preview shows how the Yxy color 49.2441, 0.2865, 0.2340 looks on a white background.

Color Contrast Check

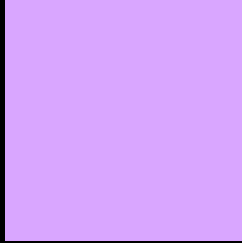
Large Text (above 18pt) WCAG AA × Fail

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 49.2441, 0.2865, 0.2340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

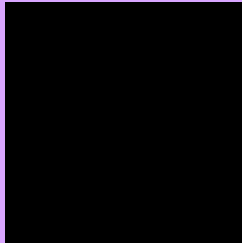
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.2441, 0.2865, 0.2340

Background



This preview shows how black text looks on a background with the Yxy color 49.2441, 0.2865, 0.2340.

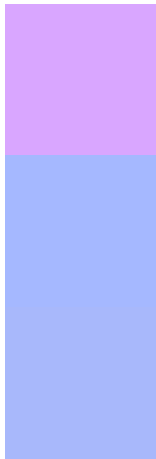


This preview shows how white text looks on a background with the Yxy color 49.2441, 0.2865, 0.2340.

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

49.2441, 0.2865, 0.2340

Protanopia

49.5003, 0.2514, 0.2454

Deuteranopia

49.5708, 0.2555, 0.2498



Tritanopia

49.3559, 0.3256, 0.3122

Trichromacy



Original Color

49.2441, 0.2865, 0.2340



Protanomaly

48.8546, 0.2630, 0.2399



Deuteranomaly

48.9117, 0.2662, 0.2431

Tritanomaly

49.0789, 0.3107, 0.2804

Monochromacy



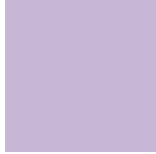
Original Color

49.2441, 0.2865, 0.2340



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

50.5903, 0.3030, 0.2909

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2441, 0.2865, 0.2340 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(217, 166, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 166, 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(217, 166, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 166, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.2441, 0.2865, 0.2340 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(217, 166, 255) }
```

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

```
.border{ border-color:rgb(217, 166, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 166, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 166, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 166, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 166,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2441, 0.2865, 0.2340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 166, 255) }
```

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

```
.background{ background-color: rgb(217,  
166, 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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