

Converting Colors

$Y_{xy}(49.8872, 0.2604, 0.1976)$

Have a look what the booklet for
Yxy(49.8872, 0.2604, 0.1976)
contains.

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Color

Yxy(47.1568, 0.2847, 0.2283)

Conversions

Conversions Part 1

Format	Color
Hex	D7A1FF
RGB	215, 161, 255
RGB Percent	84%, 63%, 100%
CMY	0.1570, 0.3685, 0.0001
CMYK	0.16, 0.37, 0.00, 0.00
HSL	274°, 100%, 82%
HSV	274°, 37%, 100%
XYZ	58.8066, 47.1568, 100.5929
YIQ	187.8620, 2.0100, 40.6820

Conversions

Conversions Part 2

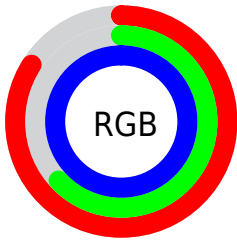
Format	Color
RYB	215, 161, 255
Decimal	14131711
CIELab	74.29, 36.87, -39.12
CIElCh	74, 53.758, 313.309
Yxy	47.1568, 0.2847, 0.2283
Android (android.graphics.Color)	4292321791 (0xFFD7A1FF)
YUV	187.8620, 33.0990, 23.8000
Hunter-Lab	68.6708, 32.6854, -38.7818

Details

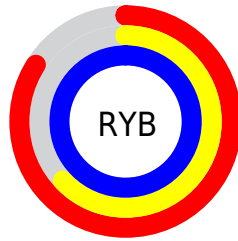
The Yxy color **47.1568, 0.2847, 0.2283** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **86.5061, 0.3319, 0.4331**, and the grayscale version is **50.0151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5917, 0.3145, 0.2910**, and **22.1733, 0.2760, 0.2050** is the 20% darker color. If you saturate the color by 10%, you get **37.5457, 0.2745, 0.1993**, and if you desaturate by 10%, it is **58.6980, 0.2938, 0.2573**.

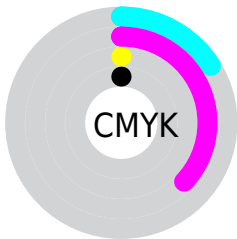
Distribution



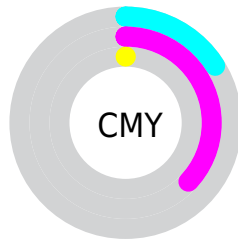
- Red (84%)
- Green (63%)
- Blue (100%)



- Red (84%)
- Yellow (63%)
- Blue (100%)



- Cyan (16%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)




- Cyan (16%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1568, 0.2847, 0.2283 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 47.1568, 0.2847, 0.2283 by changing the saturation by 10% instead.


 47.1568, 0.2847,
0.2283


 47.1568, 0.2847,
0.2283


375.4401, 0.2996,
0.2743

 33.1596, 0.2809,
0.2181


 85.9476, 0.2902,
0.2440

 22.2488, 0.2759,
0.2057


 111.5101, 0.2923,
0.2502

 14.0398, 0.2694,
0.1903


141.6964, 0.2940,
0.2556

 8.1484, 0.2603,
0.1709

176.8910, 0.2954,
0.2603

 4.1900, 0.2472,
0.1459

217.4783, 0.2967,
0.2644

 1.7804, 0.2270,
0.1132

263.8426, 0.2978,

 0.4749, 0.1955,

0.2681

316.3684, 0.2987,
0.2713

0.0635

0.0000, 0.1069,
0.0000

0.0000, 0.0000,
0.0000

47.1568, 0.2847,
0.2283

47.1568, 0.2847,
0.2283

37.5457, 0.2745,
0.1993

58.6980, 0.2938,
0.2573

29.7455, 0.2635,
0.1716

72.2673, 0.3018,
0.2854

23.6328, 0.2520,
0.1465

87.9628, 0.3086,
0.3120

19.0655, 0.2404,
0.1255

99.9987, 0.3127,
0.3290

■ 15.8769, 0.2292,
0.1095

■ 13.8569, 0.2188,
0.0989

■ 13.3627, 0.2157,
0.0962

Harmonies

Analogous

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



47.1568, 0.2250, 0.2155



47.1568, 0.2847, 0.2283



47.1568, 0.3607, 0.2614

Triad

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



47.1568, 0.2847, 0.2283



47.1568, 0.4461, 0.4176



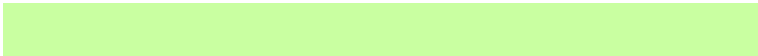
47.1568, 0.2064, 0.3349

Complementary

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



47.1568, 0.2847, 0.2283



86.5061, 0.3319, 0.4331

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.



47.1568, 0.2569, 0.4138



47.1568, 0.2847, 0.2283



47.1568, 0.3955, 0.4584

Square

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



47.1568, 0.2847, 0.2283



47.1568, 0.4605, 0.3635



47.1568, 0.3261, 0.4625



47.1568, 0.1844, 0.2665

Rectangle

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



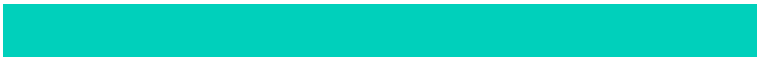
47.1568, 0.2847, 0.2283



47.1568, 0.4088, 0.2919



47.1568, 0.3261, 0.4625



47.1568, 0.2203, 0.3618

Sweetspot

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



47.1587, 0.2847, 0.2283



81.1946, 0.3059, 0.3012



56.9181, 0.2521, 0.2666



16.9224, 0.3050, 0.2976



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.



47.1587, 0.2847, 0.2283



40.0996, 0.2775, 0.2075



53.5776, 0.3220, 0.2429



17.8925, 0.3069, 0.3051



7.0734, 0.2173, 0.0971



0.7531, 0.2286, 0.1033

Inverse Universe

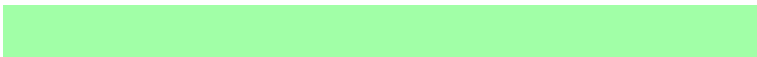
The Inverse Universe completely reimagines the original color for something new.



50.9752, 0.3641, 0.2876



44.5888, 0.3787, 0.2796



81.8881, 0.3043, 0.4337



18.1155, 0.3227, 0.3189



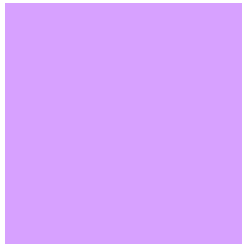
11.7100, 0.5277, 0.2681



1.1615, 0.4986, 0.2520

Previews

White Background



This preview shows how the Yxy color 47.1568, 0.2847, 0.2283 looks on a white background.

Color Contrast Check

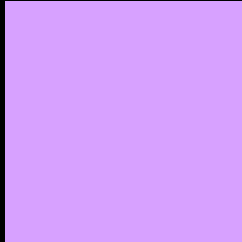
Large Text (above 18pt) WCAG AA × Fail

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 47.1568, 0.2847, 0.2283 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

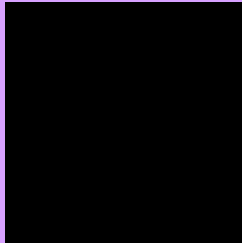
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.1568, 0.2847, 0.2283

Background



This preview shows how black text looks on a background with the Yxy color 47.1568, 0.2847, 0.2283.



This preview shows how white text looks on a background with the Yxy color 47.1568, 0.2847, 0.2283.

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

47.1568, 0.2847, 0.2283

Protanopia

47.6387, 0.2472, 0.2409

Deuteranopia

47.5898, 0.2505, 0.2452



Tritanopia

47.1282, 0.3276, 0.3131

Trichromacy



Original Color

47.1568, 0.2847, 0.2283



Protanomaly

47.0758, 0.2591, 0.2356



Deuteranomaly

47.1241, 0.2623, 0.2388



Tritanomaly

46.9128, 0.3116, 0.2796

Monochromacy



Original Color

47.1568, 0.2847, 0.2283



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

48.6000, 0.3029, 0.2881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1568, 0.2847, 0.2283 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(215, 161, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 161, 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(215, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 161, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.1568, 0.2847, 0.2283 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(215, 161, 255) }
```

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

```
.border{ border-color:rgb(215, 161, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 161, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 161, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 161, 255);  
box-shadow:4px 4px 4px 4px rgb(215, 161,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1568, 0.2847, 0.2283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 161, 255) }
```

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

```
.background{ background-color: rgb(215,  
161, 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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