

Converting Colors

$Y_{xy}(47.9166, 0.2968, 0.2519)$

Have a look what the booklet for
Yxy(47.9166, 0.2968, 0.2519)
contains.

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Color

Yxy(47.8397, 0.2971, 0.2520)

Conversions

Conversions Part 1

Format	Color
Hex	D5A7EC
RGB	213, 167, 236
RGB Percent	84%, 65%, 93%
CMY	0.1646, 0.3451, 0.0746
CMYK	0.10, 0.29, 0.00, 0.07
HSL	280°, 64%, 79%
HSV	280°, 29%, 93%
XYZ	56.4015, 47.8397, 85.5989
YIQ	188.6200, 5.2670, 31.2110

Conversions

Conversions Part 2

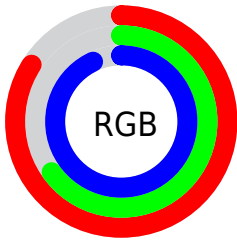
Format	Color
R _Y B	213, 167, 236
Decimal	14002156
CIE _{Lab}	74.72, 29.12, -28.17
CIE _{LCh}	75, 40.510, 315.949
Y _{xy}	47.8397, 0.2971, 0.2520
Android (android.graphics.Color)	4292192236 (0xFFD5A7EC)
YUV	188.6200, 23.3583, 21.3813
Hunter-Lab	69.1662, 24.5166, -24.9599

Details

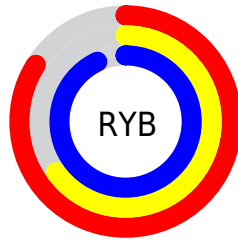
The Yxy color $47.8397, 0.2971, 0.2520$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $73.7077, 0.3240, 0.4104$, and the grayscale version is $50.5245, 0.3127, 0.3290$.

A 20% lighter version of the original color is $80.7226, 0.3142, 0.2970$, and $22.5990, 0.2923, 0.2330$ is the 20% darker color. If you saturate the color by 10%, you get $38.8242, 0.2900, 0.2241$, and if you desaturate by 10%, it is $58.4935, 0.3033, 0.2796$.

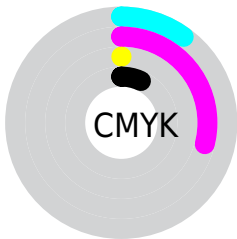
Distribution



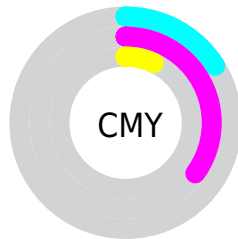
- Red (84%)
- Green (65%)
- Blue (93%)



- Red (84%)
- Yellow (65%)
- Blue (93%)



- Cyan (10%)
- Magenta (29%)
- Yellow (0%)
- Black (7%)




- Cyan (16%)
- Magenta (35%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8397, 0.2971, 0.2520 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 47.8397, 0.2971, 0.2520 by changing the saturation by 10% instead.

 47.8397, 0.2971,
0.2520


 47.8397, 0.2971,
0.2520


378.1564, 0.3056,
0.2880

 33.7000, 0.2949,
0.2438


 86.9657, 0.3003,
0.2645

 22.6632, 0.2919,
0.2336


 112.7207, 0.3014,
0.2694

 14.3450, 0.2879,
0.2208


143.1163, 0.3024,
0.2735

 8.3610, 0.2823,
0.2041

178.5368, 0.3032,
0.2772

 4.3268, 0.2738,
0.1818

219.3667, 0.3039,
0.2804

 1.8580, 0.2599,
0.1506

265.9904, 0.3046,

 0.5229, 0.2367,

0.2832

0.0980

318.7921, 0.3051,
0.2857

0.0000, 0.1012,
0.0000

0.0000, 0.0000,
0.0000

47.8397, 0.2971,
0.2520

47.8397, 0.2971,
0.2520

38.8242, 0.2900,
0.2241

58.4935, 0.3033,
0.2796

31.3543, 0.2821,
0.1968

70.8597, 0.3086,
0.3060

25.3371, 0.2735,
0.1713

85.0151, 0.3130,
0.3309

20.6671, 0.2645,
0.1489

96.8852, 0.3171,
0.3477

■ 17.2240, 0.2553,
0.1307

■ 98.3232, 0.3221,
0.3475

■ 14.8654, 0.2464,
0.1174

■ 98.8347, 0.3238,
0.3474

■ 13.3694, 0.2379,
0.1087

■ 13.2688, 0.2373,
0.1081

Harmonies

Analogous

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



47.8397, 0.2488, 0.2406



47.8397, 0.2971, 0.2520



47.8397, 0.3544, 0.2798

Triad

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



47.8397, 0.2971, 0.2520



47.8397, 0.4127, 0.4030



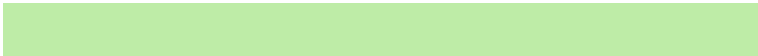
47.8397, 0.2288, 0.3298

Complementary

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



47.8397, 0.2971, 0.2520



73.7077, 0.3240, 0.4104

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.



47.8397, 0.2673, 0.3864



47.8397, 0.2971, 0.2520



47.8397, 0.3736, 0.4287

Square

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



47.8397, 0.2971, 0.2520



47.8397, 0.4246, 0.3626



47.8397, 0.3202, 0.4248



47.8397, 0.2124, 0.2796

Rectangle

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



47.8397, 0.2971, 0.2520



47.8397, 0.3890, 0.3050



47.8397, 0.3202, 0.4248



47.8397, 0.2394, 0.3491

Sweetspot

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



47.8417, 0.2971, 0.2520



84.8017, 0.3087, 0.3065



51.0934, 0.2644, 0.2730



17.6606, 0.3080, 0.3027



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.



47.8417, 0.2971, 0.2520



50.4579, 0.2930, 0.2355



50.8738, 0.3255, 0.2675



15.0482, 0.3085, 0.3054



7.3893, 0.2386, 0.1088



0.6324, 0.2502, 0.1152

Inverse Universe

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



49.1815, 0.3561, 0.3036



52.4020, 0.3684, 0.2982



71.4266, 0.3021, 0.3996



15.1367, 0.3241, 0.3212



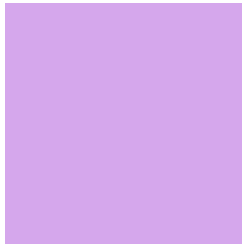
10.1586, 0.5639, 0.2880



0.8150, 0.5250, 0.2666

Previews

White Background



This preview shows how the Yxy color 47.8397, 0.2971, 0.2520 looks on a white background.

Color Contrast Check

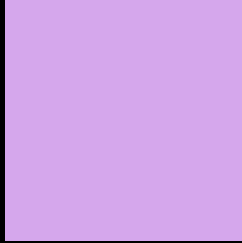
Large Text (above 18pt) WCAG AA × Fail

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 47.8397, 0.2971, 0.2520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

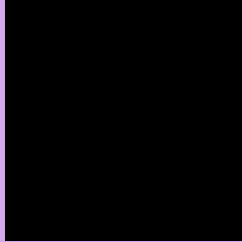
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.8397, 0.2971, 0.2520

Background



This preview shows how black text looks on a background with the Yxy color 47.8397, 0.2971, 0.2520.



This preview shows how white text looks on a background with the Yxy color 47.8397, 0.2971, 0.2520.

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

47.8397, 0.2971, 0.2520

Protanopia

48.2783, 0.2562, 0.2511

Deuteranopia

48.1610, 0.2713, 0.2659



Tritanopia

47.8902, 0.3276, 0.3120

Trichromacy



Original Color

47.8397, 0.2971, 0.2520

Protanomaly

47.9826, 0.2696, 0.2515

Deuteranomaly

47.8100, 0.2799, 0.2605

Tritanomaly

47.9474, 0.3163, 0.2889

Monochromacy



Original Color

47.8397, 0.2971, 0.2520

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

49.5097, 0.3075, 0.2987

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8397, 0.2971, 0.2520 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(213, 167, 236)` looks like.

```
.text, #text, p{  
    color:rgb(213, 167, 236)  
}
```

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(213, 167, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 167, 236) }
```

Border

The CSS property to change the border of an element to Yxy 47.8397, 0.2971, 0.2520 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(213, 167, 236) }
```

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

```
.border{ border-color:rgb(213, 167, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 167, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 167, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 167, 236);  
box-shadow:4px 4px 4px 4px rgb(213, 167,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8397, 0.2971, 0.2520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 167, 236) }
```

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

```
.background{ background-color: rgb(213,  
167, 236) }
```

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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