

Converting Colors

$Y_{xy}(46.9379, 0.2890, 0.2416)$

Have a look what the booklet for
Yxy(46.9379, 0.2890, 0.2416)
contains.

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Color

Yxy(47.0830, 0.2894, 0.2424)

Conversions

Conversions Part 1

Format	Color
Hex	D2A5F3
RGB	210, 165, 243
RGB Percent	82%, 65%, 95%
CMY	0.1765, 0.3529, 0.0469
CMYK	0.14, 0.32, 0.00, 0.05
HSL	275°, 77%, 80%
HSV	275°, 32%, 95%
XYZ	56.2121, 47.0830, 90.9417
YIQ	187.3470, 1.7820, 33.7980

Conversions

Conversions Part 2

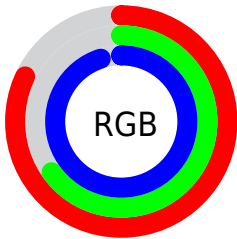
Format	Color
R _Y B	210, 165, 243
Decimal	13805043
CIE Lab	74.24, 30.72, -32.76
CIE LCh	74, 44.907, 313.158
Yxy	47.0830, 0.2894, 0.2424
Android (android.graphics.Color)	4291995123 (0xFFD2A5F3)
YUV	187.3470, 27.4369, 19.8667
Hunter-Lab	68.6171, 26.1501, -30.5481

Details

The Yxy color **47.0830, 0.2894, 0.2424** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **78.8471, 0.3296, 0.4182**, and the grayscale version is **49.7426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6664, 0.3143, 0.2950**, and **22.2681, 0.2812, 0.2220** is the 20% darker color. If you saturate the color by 10%, you get **37.6727, 0.2798, 0.2134**, and if you desaturate by 10%, it is **58.2600, 0.2979, 0.2710**.

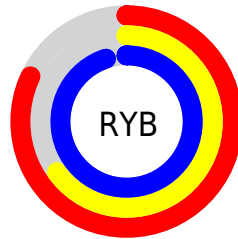
Distribution



Red (82%)

Green (65%)

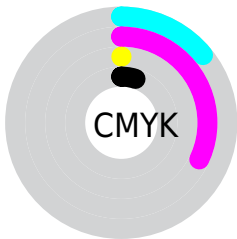
Blue (95%)



Red (82%)

Yellow (65%)

Blue (95%)

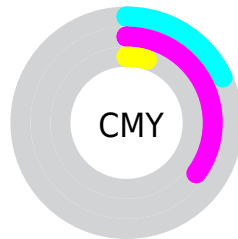


Cyan (14%)

Magenta (32%)

Yellow (0%)

Black (5%)



Cyan (18%)


Magenta (35%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0830, 0.2894, 0.2424 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 47.0830, 0.2894, 0.2424 by changing the saturation by 10% instead.


 47.0830, 0.2894,
0.2424


 47.0830, 0.2894,
0.2424

375.1457, 0.3017,
0.2826

 33.1013, 0.2862,
0.2333


 85.8375, 0.2940,
0.2563

 22.2040, 0.2821,
0.2221


 111.3791, 0.2957,
0.2617

 14.0069, 0.2765,
0.2080


141.5427, 0.2971,
0.2664

 8.1255, 0.2688,
0.1899

176.7128, 0.2983,
0.2705

 4.1753, 0.2573,
0.1660

217.2738, 0.2994,
0.2741

 1.7721, 0.2393,
0.1335

263.6100, 0.3003,

 0.4697, 0.2104,

0.2772

0.0792

316.1058, 0.3011,
0.2801

0.0000, 0.0763,
0.0000

0.0000, 0.0000,
0.0000

47.0830, 0.2894,
0.2424

47.0830, 0.2894,
0.2424

37.6727, 0.2798,
0.2134

58.2600, 0.2979,
0.2710

29.9269, 0.2693,
0.1850

71.2867, 0.3053,
0.2983

23.7415, 0.2580,
0.1586

86.2480, 0.3115,
0.3239

18.9980, 0.2465,
0.1355

98.5306, 0.3172,
0.3406

■ 15.5601, 0.2351,
0.1170

■ 99.2528, 0.3197,
0.3405

■ 13.2638, 0.2244,
0.1038

■ 12.0589, 0.2165,
0.0966

Harmonies

Analogous

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



47.0830, 0.2380, 0.2317



47.0830, 0.2894, 0.2424



47.0830, 0.3530, 0.2712

Triad

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



47.0830, 0.2894, 0.2424



47.0830, 0.4261, 0.4062



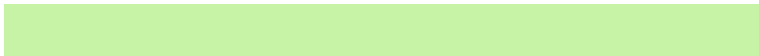
47.0830, 0.2228, 0.3353

Complementary

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



47.0830, 0.2894, 0.2424



78.8471, 0.3296, 0.4182

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.



47.0830, 0.2668, 0.3989



47.0830, 0.2894, 0.2424



47.0830, 0.3845, 0.4382

Square

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



47.0830, 0.2894, 0.2424



47.0830, 0.4367, 0.3605



47.0830, 0.3259, 0.4389



47.0830, 0.2028, 0.2778

Rectangle

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



47.0830, 0.2894, 0.2424



47.0830, 0.3929, 0.2980



47.0830, 0.3259, 0.4389



47.0830, 0.2351, 0.3572

Sweetspot

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



47.0850, 0.2894, 0.2424



82.8050, 0.3067, 0.3038



55.2345, 0.2603, 0.2761



17.2444, 0.3057, 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.



47.0850, 0.2894, 0.2424



44.9758, 0.2828, 0.2221



52.1347, 0.3206, 0.2539



16.3985, 0.3070, 0.3052



6.6977, 0.2180, 0.0975



0.6491, 0.2304, 0.1043

Inverse Universe

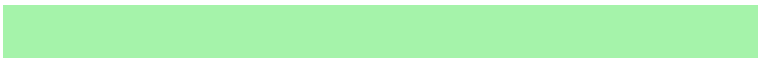
The Inverse Universe completely reimagines the original color for something new.



50.0510, 0.3554, 0.2934



48.9478, 0.3686, 0.2854



75.0286, 0.3054, 0.4177



16.5990, 0.3227, 0.3190



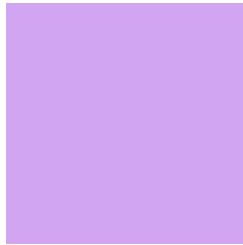
11.0198, 0.5283, 0.2684



0.9886, 0.4962, 0.2507

Previews

White Background



This preview shows how the Yxy color 47.0830, 0.2894, 0.2424 looks on a white background.

Color Contrast Check

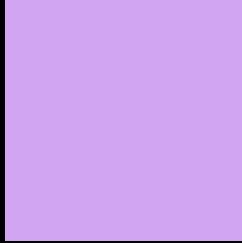
Large Text (above 18pt) WCAG AA × Fail

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 47.0830, 0.2894, 0.2424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

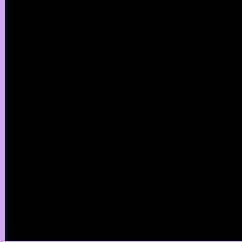
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.0830, 0.2894, 0.2424

Background



This preview shows how black text looks on a background with the Yxy color 47.0830, 0.2894, 0.2424.



This preview shows how white text looks on a background with the Yxy color 47.0830, 0.2894, 0.2424.

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

47.0830, 0.2894, 0.2424

Protanopia

47.3361, 0.2476, 0.2398

Deuteranopia

47.3688, 0.2620, 0.2563



Tritanopia

47.1423, 0.3240, 0.3130

Trichromacy



Original Color

47.0830, 0.2894, 0.2424



Protanomaly

47.0900, 0.2609, 0.2404



Deuteranomaly

47.2012, 0.2714, 0.2513



Tritanomaly

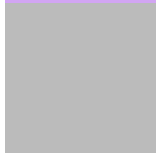
46.9459, 0.3105, 0.2849

Monochromacy



Original Color

47.0830, 0.2894, 0.2424



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

48.3473, 0.3043, 0.2949

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0830, 0.2894, 0.2424 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(210, 165, 243)` looks like.

```
.text, #text, p{  
    color:rgb(210, 165, 243)  
}
```

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(210, 165, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 165, 243) }
```

Border

The CSS property to change the border of an element to Yxy 47.0830, 0.2894, 0.2424 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(210, 165, 243) }
```

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

```
.border{ border-color:rgb(210, 165, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 165, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 165, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 165, 243);  
box-shadow:4px 4px 4px 4px rgb(210, 165,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0830, 0.2894, 0.2424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 165, 243) }
```

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

```
.background{ background-color: rgb(210,  
165, 243) }
```

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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