

Converting Colors

$Yxy(47.4084, 0.2705, 0.2346)$

Have a look what the booklet for
Yxy(47.4084, 0.2705, 0.2346)
contains.

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Color

Yxy(47.5073, 0.2707, 0.2348)

Conversions

Conversions Part 1

Format	Color
Hex	C3AAFE
RGB	195, 170, 254
RGB Percent	76%, 67%, 100%
CMY	0.2353, 0.3333, 0.0039
CMYK	0.23, 0.33, 0.00, 0.00
HSL	258°, 98%, 83%
HSV	258°, 33%, 100%
XYZ	54.7710, 47.5073, 100.0526
YIQ	187.0510, -12.0640, 31.4240

Conversions

Conversions Part 2

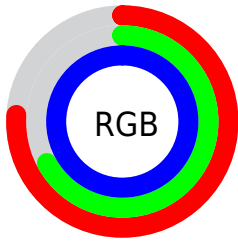
Format	Color
R _Y B	195, 170, 254
Decimal	12823294
CIE Lab	74.51, 25.93, -38.38
CIE LCh	75, 46.324, 304.046
Yxy	47.5073, 0.2707, 0.2348
Android (android.graphics.Color)	4291013374 (0xFFC3AAFE)
YUV	187.0510, 33.0059, 6.9713
Hunter-Lab	68.9255, 21.2235, -37.8178

Details

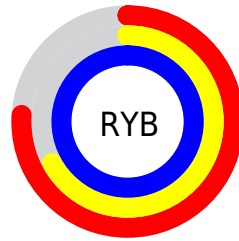
The Yxy color **47.5073, 0.2707, 0.2348** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **90.4475, 0.3457, 0.4168**, and the grayscale version is **49.5413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9531, 0.3127, 0.2998**, and **22.5635, 0.2590, 0.2135** is the 20% darker color. If you saturate the color by 10%, you get **36.6519, 0.2546, 0.2023**, and if you desaturate by 10%, it is **60.4900, 0.2854, 0.2660**.

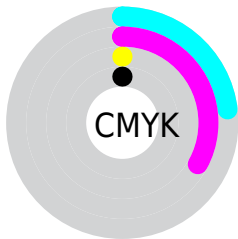
Distribution



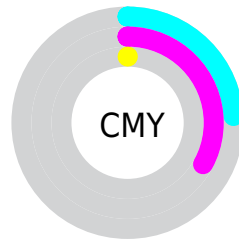
- Red (76%)
- Green (67%)
- Blue (100%)



- Red (76%)
- Yellow (67%)
- Blue (100%)



- Cyan (23%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)




- Cyan (24%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.5073, 0.2707, 0.2348 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 47.5073, 0.2707, 0.2348 by changing the saturation by 10% instead.

 47.5073, 0.2707,
0.2348

 47.5073, 0.2707,
0.2348


376.8358, 0.2919,
0.2784

 33.4369, 0.2655,
0.2250


 86.4704, 0.2784,
0.2498

 22.4613, 0.2588,
0.2130


112.1318, 0.2813,
0.2557

 14.1963, 0.2501,
0.1980


142.4257, 0.2838,
0.2608

 8.2573, 0.2384,
0.1789

177.7364, 0.2859,
0.2652

 4.2600, 0.2218,
0.1541

218.4484, 0.2877,
0.2691

 1.8201, 0.1973,
0.1210

264.9461, 0.2893,

 0.4996, 0.1602,

0.2726

0.0704

317.6137, 0.2907,
0.2756

0.0000, 0.0222,
0.0000

0.0000, 0.0000,
0.0000

47.5073, 0.2707,
0.2348

47.5073, 0.2707,
0.2348

36.6519, 0.2546,
0.2023

60.4900, 0.2854,
0.2660

27.8020, 0.2374,
0.1698

75.7017, 0.2983,
0.2950

20.8315, 0.2199,
0.1390

93.2442, 0.3096,
0.3214

15.5977, 0.2030,
0.1121

99.9361, 0.3133,
0.3299

■ 11.9362, 0.1878,
0.0908

■ 9.6489, 0.1752,
0.0764

■ 8.6765, 0.1682,
0.0700

Harmonies

Analogous

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



47.5073, 0.2243, 0.2301



47.5073, 0.2707, 0.2348



47.5073, 0.3339, 0.2591

Triad

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



47.5073, 0.2707, 0.2348



47.5073, 0.4364, 0.3944



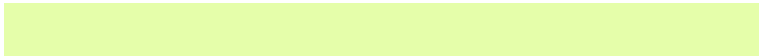
47.5073, 0.2317, 0.3559

Complementary

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



47.5073, 0.2707, 0.2348



90.4475, 0.3457, 0.4168

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.



47.5073, 0.2829, 0.4176



47.5073, 0.2707, 0.2348



47.5073, 0.4018, 0.4336

Square

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



47.5073, 0.2707, 0.2348



47.5073, 0.4357, 0.3459



47.5073, 0.3452, 0.4464



47.5073, 0.2035, 0.2921

Rectangle

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



47.5073, 0.2707, 0.2348



47.5073, 0.3773, 0.2840



47.5073, 0.3452, 0.4464



47.5073, 0.2466, 0.3783

Sweetspot

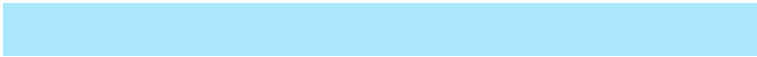
The Sweet Spot groups the original color and five complimentary colors.



47.5092, 0.2707, 0.2348



81.5558, 0.3020, 0.3034



72.4098, 0.2621, 0.3021



16.9428, 0.3003, 0.2996



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.



47.5092, 0.2707, 0.2348



40.1141, 0.2596, 0.2123



53.7057, 0.3021, 0.2429



17.6397, 0.3025, 0.3047



4.6403, 0.1697, 0.0708



0.5055, 0.1814, 0.0773

Inverse Universe

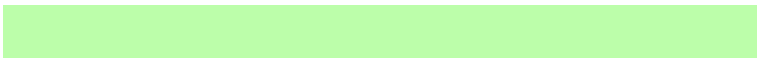
The Inverse Universe completely reimagines the original color for something new.



55.4792, 0.3368, 0.2692



49.4590, 0.3435, 0.2567



84.5064, 0.3191, 0.4247



18.2028, 0.3184, 0.3124



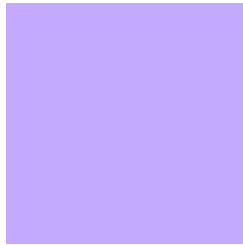
12.8391, 0.4140, 0.2054



1.2694, 0.4008, 0.1981

Previews

White Background



This preview shows how the Yxy color 47.5073, 0.2707, 0.2348 looks on a white background.

Color Contrast Check

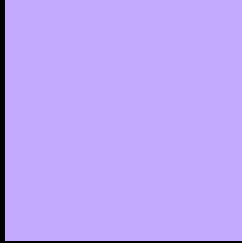
Large Text (above 18pt) WCAG AA × Fail

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 47.5073, 0.2707, 0.2348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

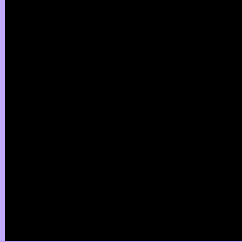
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.5073, 0.2707, 0.2348

Background



This preview shows how black text looks on a background with the Yxy color 47.5073, 0.2707, 0.2348.



This preview shows how white text looks on a background with the Yxy color 47.5073, 0.2707, 0.2348.

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

47.5073, 0.2707, 0.2348

Protanopia

47.7413, 0.2478, 0.2411

Deuteranopia

47.7574, 0.2506, 0.2443



Tritanopia

47.6318, 0.3035, 0.3112

Trichromacy



Original Color

47.5073, 0.2707, 0.2348

Protanomaly

47.5485, 0.2555, 0.2382

Deuteranomaly

47.5348, 0.2573, 0.2402

Tritanomaly

47.5419, 0.2911, 0.2814

Monochromacy



Original Color

47.5073, 0.2707, 0.2348

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

48.6980, 0.2972, 0.2922

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.5073, 0.2707, 0.2348 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(195, 170, 254)` looks like.

```
.text, #text, p{  
    color:rgb(195, 170, 254)  
}
```

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(195, 170, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 170, 254) }
```

Border

The CSS property to change the border of an element to Yxy 47.5073, 0.2707, 0.2348 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(195, 170, 254) }
```

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

```
.border{ border-color:rgb(195, 170, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 170, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 170, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 170, 254); box-shadow:4px 4px 4px 4px rgb(195, 170, 254) }
```


Background

The CSS property to change the background color of an element to Yxy 47.5073, 0.2707, 0.2348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 170, 254) }
```

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

```
.background{ background-color: rgb(195,  
170, 254) }
```

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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