

Converting Colors

Yxy(52.3184, 0.2698, 0.2217)

Have a look what the booklet for
Yxy(52.3184, 0.2698, 0.2217)
contains.

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Color

Yxy(50.7221, 0.2829, 0.2394)

Conversions

Conversions Part 1

Format	Color
Hex	D4ACFF
RGB	212, 172, 255
RGB Percent	83%, 67%, 100%
CMY	0.1688, 0.3254, 0.0001
CMYK	0.17, 0.33, 0.00, 0.00
HSL	269°, 100%, 84%
HSV	269°, 33%, 100%
XYZ	59.9385, 50.7221, 101.2111
YIQ	193.4220, -2.8030, 34.2930

Conversions

Conversions Part 2

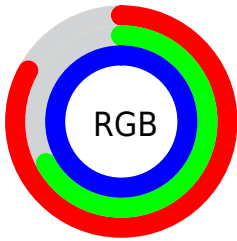
Format	Color
R _Y B	212, 172, 255
Decimal	13937919
CIE Lab	76.51, 30.02, -35.69
CIE LCh	77, 46.634, 310.070
Yxy	50.7221, 0.2829, 0.2394
Android (android.graphics.Color)	4292127999 (0xFFD4ACFF)
YUV	193.4220, 30.3580, 16.2929
Hunter-Lab	71.2194, 25.5921, -34.4044

Details

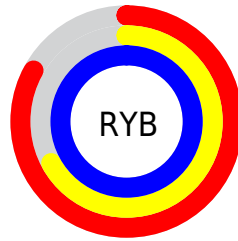
The Yxy color **50.7221, 0.2829, 0.2394** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **88.9336, 0.3350, 0.4183**, and the grayscale version is **53.4077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9668, 0.3139, 0.3029**, and **24.3388, 0.2739, 0.2186** is the 20% darker color. If you saturate the color by 10%, you get **40.0452, 0.2709, 0.2091**, and if you desaturate by 10%, it is **63.4259, 0.2936, 0.2689**.

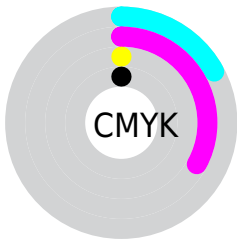
Distribution



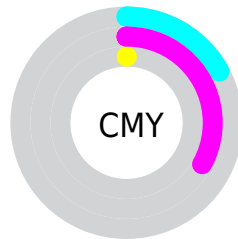
- Red (83%)
- Green (67%)
- Blue (100%)



- Red (83%)
- Yellow (67%)
- Blue (100%)



- Cyan (17%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (17%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.7221, 0.2829, 0.2394 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 50.7221, 0.2829, 0.2394 by changing the saturation by 10% instead.

 50.7221, 0.2829,
0.2394

 50.7221, 0.2829,
0.2394


389.4831, 0.2982,
0.2804

 35.9875, 0.2791,
0.2303

 91.2439, 0.2885,
0.2535

 24.4245, 0.2742,
0.2191


117.7998, 0.2906,
0.2590

 15.6488, 0.2678,
0.2052


149.0650, 0.2923,
0.2638

 9.2760, 0.2590,
0.1876

185.4238, 0.2939,
0.2679

 4.9216, 0.2465,
0.1645

227.2606, 0.2952,
0.2716

 2.2014, 0.2276,
0.1338

274.9598, 0.2963,

 0.7207, 0.1972,

0.2749

0.0911

328.9059, 0.2973,
0.2778

0.0000, 0.1252,
0.0000

0.0000, 0.0000,
0.0000

50.7221, 0.2829,
0.2394

50.7221, 0.2829,
0.2394

40.0452, 0.2709,
0.2091

63.4259, 0.2936,
0.2689

31.2784, 0.2579,
0.1792

78.2524, 0.3029,
0.2969

24.3020, 0.2442,
0.1512

95.2986, 0.3109,
0.3228

18.9800, 0.2304,
0.1266

99.9979, 0.3127,
0.3290

■ 15.1555, 0.2171,
0.1069

■ 12.6397, 0.2049,
0.0929

■ 11.4085, 0.1968,
0.0858

Harmonies

Analogous

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



50.7221, 0.2329, 0.2306



50.7221, 0.2829, 0.2394



50.7221, 0.3468, 0.2668

Triad

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



50.7221, 0.2829, 0.2394



50.7221, 0.4303, 0.4026



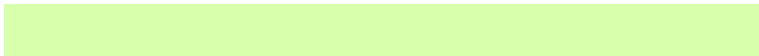
50.7221, 0.2253, 0.3421

Complementary

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



50.7221, 0.2829, 0.2394



88.9336, 0.3350, 0.4183

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.



50.7221, 0.2719, 0.4057



50.7221, 0.2829, 0.2394



50.7221, 0.3907, 0.4373

Square

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



50.7221, 0.2829, 0.2394



50.7221, 0.4372, 0.3557



50.7221, 0.3324, 0.4423



50.7221, 0.2024, 0.2822

Rectangle

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



50.7221, 0.2829, 0.2394



50.7221, 0.3882, 0.2931



50.7221, 0.3324, 0.4423



50.7221, 0.2385, 0.3644

Sweetspot

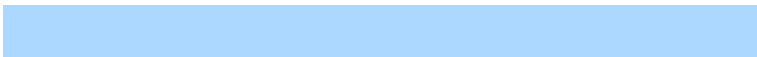
The Sweet Spot groups the original color and five complimentary colors.



50.7242, 0.2829, 0.2394



82.3730, 0.3050, 0.3037



65.2390, 0.2607, 0.2849



17.1399, 0.3039, 0.2999



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.



50.7242, 0.2829, 0.2394



43.6015, 0.2753, 0.2198



57.4679, 0.3143, 0.2474



17.8067, 0.3055, 0.3050



6.0507, 0.1985, 0.0867



0.6538, 0.2109, 0.0935

Inverse Universe

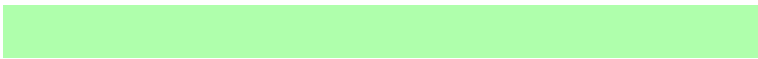
The Inverse Universe completely reimagines the original color for something new.



55.6792, 0.3493, 0.2849



49.3976, 0.3594, 0.2760



83.5695, 0.3098, 0.4256



18.1444, 0.3212, 0.3167



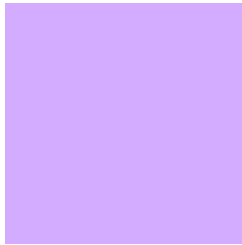
12.0134, 0.4885, 0.2465



1.1918, 0.4641, 0.2330

Previews

White Background



This preview shows how the Yxy color 50.7221, 0.2829, 0.2394 looks on a white background.

Color Contrast Check

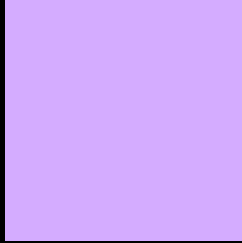
Large Text (above 18pt) WCAG AA × Fail

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 50.7221, 0.2829, 0.2394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

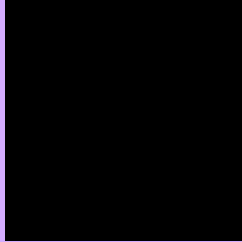
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.7221, 0.2829, 0.2394

Background



This preview shows how black text looks on a background with the Yxy color 50.7221, 0.2829, 0.2394.



This preview shows how white text looks on a background with the Yxy color 50.7221, 0.2829, 0.2394.

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

50.7221, 0.2829, 0.2394

Protanopia

51.1957, 0.2544, 0.2496

Deuteranopia

50.9167, 0.2578, 0.2518



Tritanopia

50.5007, 0.3169, 0.3109

Trichromacy



Original Color

50.7221, 0.2829, 0.2394

Protanomaly

50.9902, 0.2642, 0.2459

Deuteranomaly

50.7044, 0.2667, 0.2470

Tritanomaly

50.4765, 0.3041, 0.2824

Monochromacy



Original Color

50.7221, 0.2829, 0.2394

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

51.9352, 0.3015, 0.2923

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7221, 0.2829, 0.2394 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(212, 172, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 172, 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(212, 172, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 172, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.7221, 0.2829, 0.2394 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(212, 172, 255) }
```

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

```
.border{ border-color:rgb(212, 172, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 172, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 172, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 172, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 172,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7221, 0.2829, 0.2394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 172, 255) }
```

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

```
.background{ background-color: rgb(212,  
172, 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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