

Converting Colors

$Y_{xy}(55.1269, 0.2835, 0.2470)$

Have a look what the booklet for
Yxy(55.1269, 0.2835, 0.2470)
contains.

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Color

Yxy(54.7148, 0.2856, 0.2496)

Conversions

Conversions Part 1

Format	Color
Hex	D7B5FF
RGB	215, 181, 255
RGB Percent	84%, 71%, 100%
CMY	0.1568, 0.2902, 0.0000
CMYK	0.16, 0.29, 0.00, 0.00
HSL	268°, 100%, 85%
HSV	268°, 29%, 100%
XYZ	62.6064, 54.7148, 101.8888
YIQ	199.6020, -3.4900, 30.2220

Conversions

Conversions Part 2

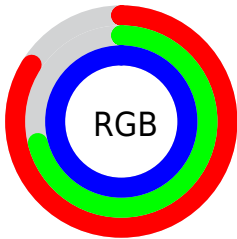
Format	Color
R_{YB}	215, 181, 255
Decimal	14136831
CIE _{Lab}	78.88, 26.09, -32.04
CIE _{LCh}	79, 41.320, 309.154
Yxy	54.7148, 0.2856, 0.2496
Android (android.graphics.Color)	4292326911 (0xFFD7B5FF)
YUV	199.6020, 27.3112, 13.5040
Hunter-Lab	73.9695, 21.6325, -29.8900

Details

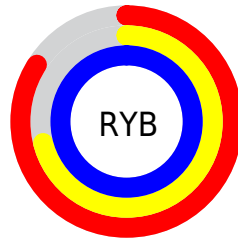
The Yxy color **54.7148, 0.2856, 0.2496** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **90.2227, 0.3339, 0.4076**, and the grayscale version is **57.3335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0484, 0.3135, 0.3117**, and **26.8865, 0.2776, 0.2318** is the 20% darker color. If you saturate the color by 10%, you get **43.2793, 0.2736, 0.2192**, and if you desaturate by 10%, it is **68.2249, 0.2963, 0.2788**.

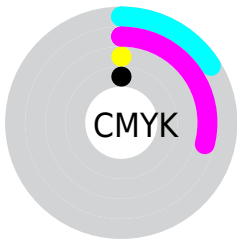
Distribution



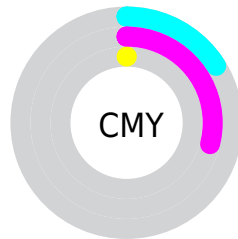
- Red (84%)
- Green (71%)
- Blue (100%)



- Red (84%)
- Yellow (71%)
- Blue (100%)



- Cyan (16%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.7148, 0.2856, 0.2496 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 54.7148, 0.2856, 0.2496 by changing the saturation by 10% instead.

 54.7148, 0.2856,
0.2496

 54.7148, 0.2856,
0.2496

404.8299, 0.2993,
0.2859

 39.1734, 0.2822,
0.2415

 97.1230, 0.2905,
0.2620

 26.8947, 0.2780,
0.2316


124.7586, 0.2924,
0.2669

 17.4941, 0.2724,
0.2193


157.1943, 0.2940,
0.2711

 10.5874, 0.2648,
0.2035

194.8147, 0.2954,
0.2748

 5.7901, 0.2541,
0.1829

238.0040, 0.2965,
0.2781

 2.7179, 0.2379,
0.1549

287.1468, 0.2976,

 0.9863, 0.2116,

0.2810

0.1158

342.6273, 0.2985,
0.2835

0.0000, 0.1656,
0.0000

0.0000, 0.0000,
0.0000

54.7148, 0.2856,
0.2496

54.7148, 0.2856,
0.2496

43.2793, 0.2736,
0.2192

68.2249, 0.2963,
0.2788

33.8085, 0.2604,
0.1887

83.9074, 0.3055,
0.3062

26.1849, 0.2464,
0.1595

100.0000, 0.3127,
0.3290

20.2775, 0.2320,
0.1332

■ 15.9369, 0.2181,
0.1113

■ 12.9869, 0.2052,
0.0950

■ 11.1687, 0.1939,
0.0845

■ 11.0204, 0.1928,
0.0836

Harmonies

Analogous

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



54.7148, 0.2420, 0.2427



54.7148, 0.2856, 0.2496



54.7148, 0.3408, 0.2736

Triad

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



54.7148, 0.2856, 0.2496



54.7148, 0.4157, 0.3934



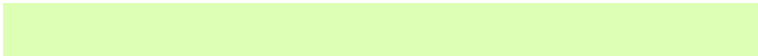
54.7148, 0.2376, 0.3426

Complementary

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



54.7148, 0.2856, 0.2496



90.2227, 0.3339, 0.4076

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.



54.7148, 0.2794, 0.3958



54.7148, 0.2856, 0.2496



54.7148, 0.3827, 0.4227

Square

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



54.7148, 0.2856, 0.2496



54.7148, 0.4199, 0.3523



54.7148, 0.3324, 0.4262



54.7148, 0.2162, 0.2906

Rectangle

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



54.7148, 0.2856, 0.2496



54.7148, 0.3765, 0.2968



54.7148, 0.3324, 0.4262



54.7148, 0.2495, 0.3614

Sweetspot

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



54.7155, 0.2856, 0.2496



83.9457, 0.3055, 0.3063



69.1242, 0.2666, 0.2918



17.4496, 0.3043, 0.3024



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.



54.7155, 0.2856, 0.2496



47.6373, 0.2786, 0.2315



60.8294, 0.3132, 0.2559



17.7870, 0.3051, 0.3049



5.8449, 0.1945, 0.0845



0.6332, 0.2070, 0.0914

Inverse Universe

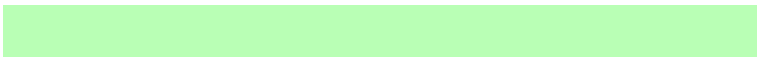
The Inverse Universe completely reimagines the original color for something new.



59.5231, 0.3429, 0.2883



53.2944, 0.3513, 0.2796



85.1319, 0.3109, 0.4134



18.1512, 0.3209, 0.3162



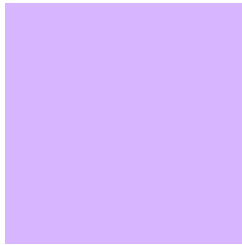
12.0941, 0.4794, 0.2415



1.1996, 0.4563, 0.2287

Previews

White Background



This preview shows how the Yxy color 54.7148, 0.2856, 0.2496 looks on a white background.

Color Contrast Check

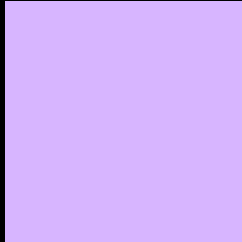
Large Text (above 18pt) WCAG AA × Fail

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 54.7148, 0.2856, 0.2496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

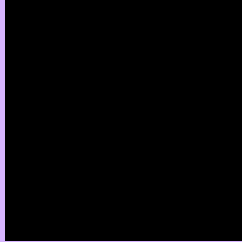
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.7148, 0.2856, 0.2496

Background



This preview shows how black text looks on a background with the Yxy color 54.7148, 0.2856, 0.2496.

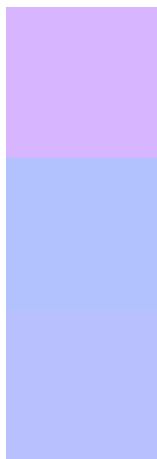


This preview shows how white text looks on a background with the Yxy color 54.7148, 0.2856, 0.2496.

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

54.7148, 0.2856, 0.2496

Protanopia

54.8249, 0.2610, 0.2579

Deuteranopia

54.9815, 0.2659, 0.2595



Tritanopia

54.5001, 0.3152, 0.3114

Trichromacy



Original Color

54.7148, 0.2856, 0.2496

Protanomaly

54.6916, 0.2691, 0.2549

Deuteranomaly

54.7243, 0.2723, 0.2553

Tritanomaly

54.5700, 0.3042, 0.2879

Monochromacy



Original Color

54.7148, 0.2856, 0.2496

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

56.2864, 0.3024, 0.2978

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.7148, 0.2856, 0.2496 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, 181, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 181, 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, 181, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 181, 255) }
```

Border

The CSS property to change the border of an element to Yxy 54.7148, 0.2856, 0.2496 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, 181, 255) }
```

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

```
.border{ border-color:rgb(215, 181, 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, 181, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 181, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 181, 255);  
box-shadow:4px 4px 4px 4px rgb(215, 181,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 54.7148, 0.2856, 0.2496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 181, 255) }
```

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

```
.background{ background-color: rgb(215,  
181, 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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