

Converting Colors

$Y_{xy}(54.8503, 0.2934, 0.2542)$

Have a look what the booklet for
Yxy(54.8503, 0.2934, 0.2542)
contains.

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Color

Yxy(54.9168, 0.2935, 0.2542)

Conversions

Conversions Part 1

Format	Color
Hex	DDB4FA
RGB	221, 180, 250
RGB Percent	87%, 71%, 98%
CMY	0.1332, 0.2942, 0.0195
CMYK	0.12, 0.28, 0.00, 0.02
HSL	275°, 88%, 84%
HSV	275°, 28%, 98%
XYZ	63.4071, 54.9168, 97.7139
YIQ	200.2390, 1.9660, 30.4620

Conversions

Conversions Part 2

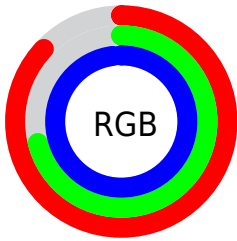
Format	Color
R_{YB}	221, 180, 250
Decimal	14529786
CIE _{Lab}	78.99, 27.43, -29.13
CIE _{LCh}	79, 40.016, 313.281
Yxy	54.9168, 0.2935, 0.2542
Android (android.graphics.Color)	4292719866 (0xFFDDB4FA)
YUV	200.2390, 24.5322, 18.2074
Hunter-Lab	74.1059, 23.0444, -26.3040

Details

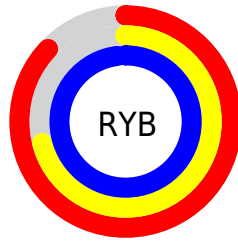
The Yxy color **54.9168, 0.2935, 0.2542** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **85.2258, 0.3273, 0.4060**, and the grayscale version is **57.7625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4709, 0.3136, 0.3107**, and **27.0283, 0.2879, 0.2377** is the 20% darker color. If you saturate the color by 10%, you get **44.1454, 0.2846, 0.2253**, and if you desaturate by 10%, it is **67.6134, 0.3013, 0.2823**.

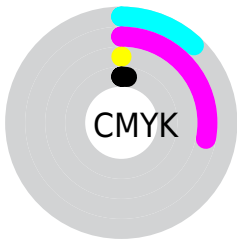
Distribution



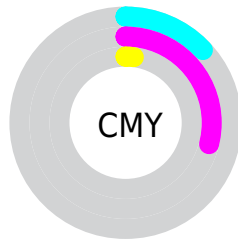
- Red (87%)
- Green (71%)
- Blue (98%)



- Red (87%)
- Yellow (71%)
- Blue (98%)



- Cyan (12%)
- Magenta (28%)
- Yellow (0%)
- Black (2%)





- Cyan (13%)
- Magenta (29%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.9168, 0.2935, 0.2542 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 54.9168, 0.2935, 0.2542 by changing the saturation by 10% instead.


 54.9168, 0.2935,
0.2542

 54.9168, 0.2935,
0.2542

405.5965, 0.3034,
0.2884

 39.3351, 0.2910,
0.2465


 97.4190, 0.2971,
0.2660

 27.0205, 0.2878,
0.2372

125.1084, 0.2985,
0.2706

 17.5886, 0.2836,
0.2254


157.6024, 0.2996,
0.2745

 10.6551, 0.2778,
0.2104

195.2855, 0.3006,
0.2780

 5.8354, 0.2694,
0.1906

238.5421, 0.3014,
0.2811

 2.7452, 0.2564,
0.1634

287.7565, 0.3022,

 1.0002, 0.2345,

0.2838

0.1249

343.3132, 0.3028,
0.2862

0.0000, 0.1995,
0.0000

0.0000, 0.0000,
0.0000

54.9168, 0.2935,
0.2542

54.9168, 0.2935,
0.2542

44.1454, 0.2846,
0.2253

67.6134, 0.3013,
0.2823

35.1925, 0.2746,
0.1966

82.3205, 0.3081,
0.3090

27.9515, 0.2638,
0.1693

99.1267, 0.3138,
0.3338

22.3014, 0.2526,
0.1449

99.6832, 0.3156,
0.3338

■ 18.1048, 0.2413,
0.1246

■ 15.1999, 0.2305,
0.1094

■ 13.3671, 0.2204,
0.0994

■ 13.0679, 0.2185,
0.0977

Harmonies

Analogous

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



54.9168, 0.2490, 0.2450



54.9168, 0.2935, 0.2542



54.9168, 0.3474, 0.2795

Triad

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



54.9168, 0.2935, 0.2542



54.9168, 0.4095, 0.3965



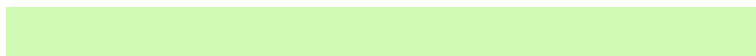
54.9168, 0.2358, 0.3348

Complementary

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



54.9168, 0.2935, 0.2542



85.2258, 0.3273, 0.4060

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.



54.9168, 0.2740, 0.3872



54.9168, 0.2935, 0.2542



54.9168, 0.3746, 0.4219

Square

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



54.9168, 0.2935, 0.2542



54.9168, 0.4177, 0.3576



54.9168, 0.3248, 0.4207



54.9168, 0.2180, 0.2862

Rectangle

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



54.9168, 0.2935, 0.2542



54.9168, 0.3808, 0.3030



54.9168, 0.3248, 0.4207



54.9168, 0.2465, 0.3529

Sweetspot

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



54.9191, 0.2935, 0.2542



86.1022, 0.3081, 0.3090



62.2869, 0.2671, 0.2824



17.9039, 0.3071, 0.3051



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.



54.9191, 0.2935, 0.2542



50.4167, 0.2882, 0.2368



59.5065, 0.3204, 0.2644



17.1458, 0.3071, 0.3051



7.0170, 0.2200, 0.0986



0.7120, 0.2317, 0.1050

Inverse Universe

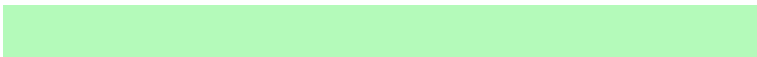
The Inverse Universe completely reimagines the original color for something new.



57.5652, 0.3490, 0.2988



53.7439, 0.3597, 0.2920



81.6211, 0.3057, 0.4034



17.3443, 0.3229, 0.3192



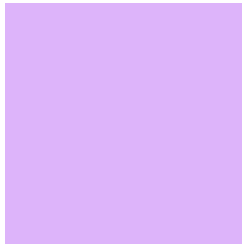
11.3315, 0.5326, 0.2707



1.0700, 0.5015, 0.2536

Previews

White Background



This preview shows how the Yxy color 54.9168, 0.2935, 0.2542 looks on a white background.

Color Contrast Check

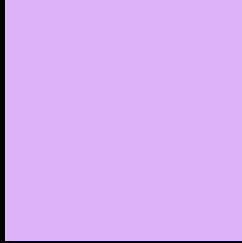
Large Text (above 18pt) WCAG AA × Fail

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 54.9168, 0.2935, 0.2542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

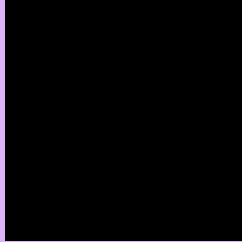
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.9168, 0.2935, 0.2542

Background



This preview shows how black text looks on a background with the Yxy color 54.9168, 0.2935, 0.2542.

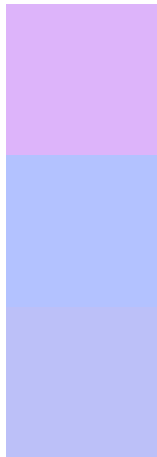


This preview shows how white text looks on a background with the Yxy color 54.9168, 0.2935, 0.2542.

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

54.9168, 0.2935, 0.2542

Protanopia

55.3873, 0.2618, 0.2592

Deuteranopia

55.1680, 0.2716, 0.2650



Tritanopia

55.0510, 0.3217, 0.3117

Trichromacy



Original Color

54.9168, 0.2935, 0.2542



Protanomaly

54.9564, 0.2724, 0.2573



Deuteranomaly

55.0854, 0.2790, 0.2609



Tritanomaly

55.0900, 0.3113, 0.2896

Monochromacy



Original Color

54.9168, 0.2935, 0.2542



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

56.6118, 0.3062, 0.3002

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.9168, 0.2935, 0.2542 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(221, 180, 250)` looks like.

```
.text, #text, p{  
    color:rgb(221, 180, 250)  
}
```

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(221, 180, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 180, 250) }
```

Border

The CSS property to change the border of an element to Yxy 54.9168, 0.2935, 0.2542 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(221, 180, 250) }
```

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

```
.border{ border-color:rgb(221, 180, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 180, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 180, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 180, 250);  
box-shadow:4px 4px 4px 4px rgb(221, 180,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 54.9168, 0.2935, 0.2542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 180, 250) }
```

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

```
.background{ background-color: rgb(221,  
180, 250) }
```

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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