

Converting Colors

$Y_{xy}(56.3270, 0.2725, 0.2307)$

Have a look what the booklet for
Yxy(56.3270, 0.2725, 0.2307)
contains.

Yxy(54.8667, 0.2863, 0.2498)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(54.8667, 0.2863, 0.2498)

Conversions

Conversions Part 1

Format	Color
Hex	D8B5FF
RGB	216, 181, 255
RGB Percent	85%, 71%, 100%
CMY	0.1531, 0.2901, 0.0000
CMYK	0.15, 0.29, 0.00, 0.00
HSL	268°, 100%, 85%
HSV	268°, 29%, 100%
XYZ	62.8837, 54.8667, 101.8922
YIQ	199.9010, -2.8940, 30.4340

Conversions

Conversions Part 2

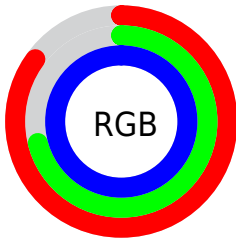
Format	Color
R _Y B	216, 181, 255
Decimal	14202367
CIE Lab	78.96, 26.35, -31.89
CIE LCh	79, 41.372, 309.567
Yxy	54.8667, 0.2863, 0.2498
Android (android.graphics.Color)	4292392447 (0xFFD8B5FF)
YUV	199.9010, 27.1638, 14.1188
Hunter-Lab	74.0721, 21.9119, -29.7078

Details

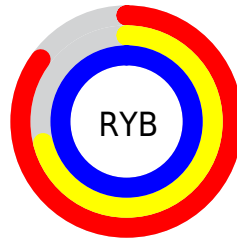
The Yxy color **54.8667, 0.2863, 0.2498** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **90.0830, 0.3333, 0.4077**, and the grayscale version is **57.5243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0484, 0.3135, 0.3117**, and **26.9891, 0.2786, 0.2320** is the 20% darker color. If you saturate the color by 10%, you get **43.4623, 0.2746, 0.2196**, and if you desaturate by 10%, it is **68.3399, 0.2967, 0.2789**.

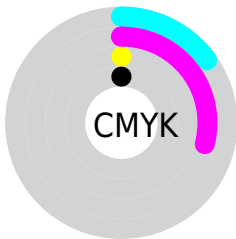
Distribution



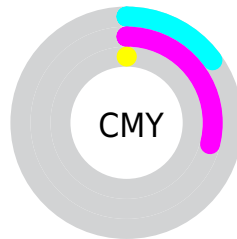
- Red (85%)
- Green (71%)
- Blue (100%)



- Red (85%)
- Yellow (71%)
- Blue (100%)



- Cyan (15%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)




- Cyan (15%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.8667, 0.2863, 0.2498 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 54.8667, 0.2863, 0.2498 by changing the saturation by 10% instead.


 54.8667, 0.2863,
0.2498

 54.8667, 0.2863,
0.2498


405.4064, 0.2996,
0.2859

 39.2950, 0.2830,
0.2417


 97.3456, 0.2911,
0.2622

 26.9893, 0.2788,
0.2319

125.0216, 0.2929,
0.2671

 17.5652, 0.2734,
0.2196


157.5012, 0.2945,
0.2713

 10.6383, 0.2660,
0.2039

195.1688, 0.2958,
0.2750

 5.8242, 0.2554,
0.1833

238.4087, 0.2970,
0.2782

 2.7385, 0.2396,
0.1554

287.6053, 0.2980,

 0.9968, 0.2137,

0.2811

0.1166

343.1431, 0.2989,
0.2836

0.0000, 0.1697,
0.0000

0.0000, 0.0000,
0.0000

54.8667, 0.2863,
0.2498

54.8667, 0.2863,
0.2498

43.4623, 0.2746,
0.2196

68.3399, 0.2967,
0.2789

34.0145, 0.2617,
0.1892

83.9768, 0.3057,
0.3063

26.4070, 0.2479,
0.1602

100.0000, 0.3127,
0.3290

20.5090, 0.2339,
0.1341

■ 16.1718, 0.2201,
0.1124

■ 13.2193, 0.2074,
0.0962

■ 11.3937, 0.1962,
0.0857

■ 11.2428, 0.1951,
0.0848

Harmonies

Analogous

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



54.8667, 0.2424, 0.2426



54.8667, 0.2863, 0.2498



54.8667, 0.3416, 0.2740

Triad

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



54.8667, 0.2863, 0.2498



54.8667, 0.4154, 0.3939



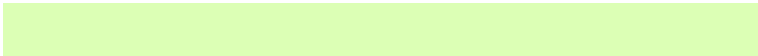
54.8667, 0.2371, 0.3418

Complementary

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



54.8667, 0.2863, 0.2498



90.0830, 0.3333, 0.4077

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.



54.8667, 0.2787, 0.3952



54.8667, 0.2863, 0.2498



54.8667, 0.3821, 0.4230

Square

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



54.8667, 0.2863, 0.2498



54.8667, 0.4201, 0.3529



54.8667, 0.3317, 0.4261



54.8667, 0.2161, 0.2899

Rectangle

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



54.8667, 0.2863, 0.2498



54.8667, 0.3772, 0.2973



54.8667, 0.3317, 0.4261



54.8667, 0.2490, 0.3606

Sweetspot

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



54.8683, 0.2863, 0.2498



83.9960, 0.3057, 0.3063



68.4831, 0.2664, 0.2904



17.4620, 0.3045, 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.



54.8683, 0.2863, 0.2498



47.7963, 0.2794, 0.2318



61.0715, 0.3142, 0.2561



17.7983, 0.3053, 0.3050



5.9619, 0.1968, 0.0858



0.6449, 0.2092, 0.0926

Inverse Universe

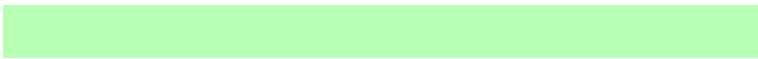
The Inverse Universe completely reimagines the original color for something new.



59.4870, 0.3437, 0.2892



53.2384, 0.3523, 0.2807



84.9841, 0.3102, 0.4135



18.1473, 0.3211, 0.3165



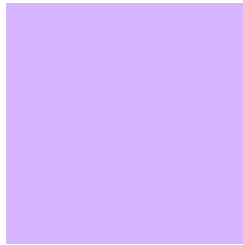
12.0472, 0.4846, 0.2443



1.1951, 0.4608, 0.2312

Previews

White Background



This preview shows how the Yxy color 54.8667, 0.2863, 0.2498 looks on a white background.

Color Contrast Check

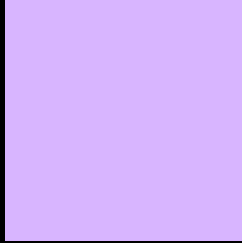
Large Text (above 18pt) WCAG AA × Fail

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 54.8667, 0.2863, 0.2498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

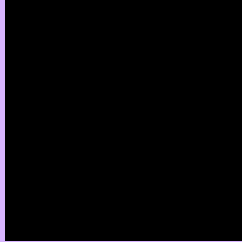
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.8667, 0.2863, 0.2498

Background



This preview shows how black text looks on a background with the Yxy color 54.8667, 0.2863, 0.2498.

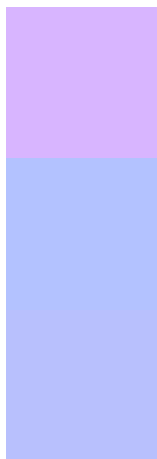


This preview shows how white text looks on a background with the Yxy color 54.8667, 0.2863, 0.2498.

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

54.8667, 0.2863, 0.2498

Protanopia

55.3873, 0.2618, 0.2592

Deuteranopia

54.9815, 0.2659, 0.2595



Tritanopia

55.0793, 0.3159, 0.3126

Trichromacy



Original Color

54.8667, 0.2863, 0.2498

Protanomaly

54.8217, 0.2698, 0.2551

Deuteranomaly

54.8580, 0.2730, 0.2554

Tritanomaly

54.7172, 0.3050, 0.2880

Monochromacy



Original Color

54.8667, 0.2863, 0.2498

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

56.4290, 0.3032, 0.2979

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.8667, 0.2863, 0.2498 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(216, 181, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 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(216, 181, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 181, 255) }
```

Border

The CSS property to change the border of an element to Yxy 54.8667, 0.2863, 0.2498 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(216, 181, 255) }
```

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

```
.border{ border-color:rgb(216, 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(216, 181, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 181, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 181, 255);  
box-shadow:4px 4px 4px 4px rgb(216, 181,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 54.8667, 0.2863, 0.2498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 181, 255) }
```

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

```
.background{ background-color: rgb(216,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor