

# Converting Colors

$Y_{xy}(44.8226, 0.2708, 0.1984)$

Have a look what the booklet for  
Yxy(44.8226, 0.2708, 0.1984)  
contains.

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# Color

**Yxy(43.1515, 0.2858, 0.2154)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D994FF
RGB	217, 148, 255
RGB Percent	85%, 58%, 100%
CMY	0.1490, 0.4196, 0.0000
CMYK	0.15, 0.42, 0.00, 0.00
HSL	279°, 100%, 79%
HSV	279°, 42%, 100%
XYZ	57.2549, 43.1515, 99.9256
YIQ	180.8290, 6.7770, 47.9050

# Conversions

## Conversions Part 2

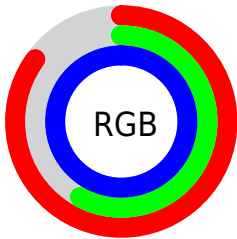
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	217, 148, 255
Decimal	14259455
CIE <sub>Lab</sub>	71.66, 44.44, -43.22
CIE <sub>LCh</sub>	72, 61.993, 315.794
Yxy	43.1515, 0.2858, 0.2154
Android (android.graphics.Color)	4292449535 (0xFFD994FF)
YUV	180.8290, 36.5663, 31.7220
Hunter-Lab	65.6898, 40.6225, -44.2075

# Details

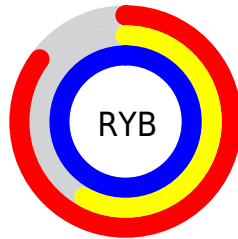
The Yxy color  $43.1515, 0.2858, 0.2154$  is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be  $84.0985, 0.3290, 0.4510$ , and the grayscale version is  $45.9082, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $71.1919, 0.3151, 0.2782$ , and  $19.7352, 0.2761, 0.1893$  is the 20% darker color. If you saturate the color by 10%, you get  $34.6646, 0.2770, 0.1880$ , and if you desaturate by 10%, it is  $53.4789, 0.2937, 0.2437$ .

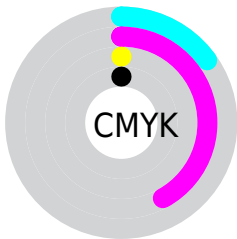
# Distribution



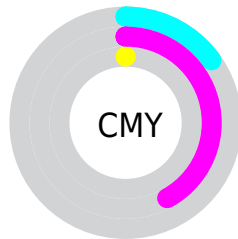
- Red (85%)
- Green (58%)
- Blue (100%)



- Red (85%)
- Yellow (58%)
- Blue (100%)



- Cyan (15%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)




- Cyan (15%)
- Magenta (42%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.1515, 0.2858, 0.2154 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 43.1515, 0.2858, 0.2154 by changing the saturation by 10% instead.




 43.1515, 0.2858,  
0.2154


 43.1515, 0.2858,  
0.2154


359.2344, 0.3007,  
0.2671

 30.0040, 0.2818,  
0.2040


 79.9394, 0.2914,  
0.2331

 19.8416, 0.2767,  
0.1902


 104.3487, 0.2935,  
0.2400

 12.2800, 0.2697,  
0.1732


133.2806, 0.2952,  
0.2460

 6.9347, 0.2599,  
0.1520

167.1196, 0.2967,  
0.2513

 3.4213, 0.2456,  
0.1251

206.2501, 0.2979,  
0.2560

 1.3554, 0.2235,  
0.0909

251.0565, 0.2990,

 0.1835, 0.1915,

0.2601

301.9231, 0.2999,  
0.2638

0.0264

0.0000, 0.0781,  
0.0000

0.0000, 0.0000,  
0.0000

43.1515, 0.2858,  
0.2154

43.1515, 0.2858,  
0.2154

34.6646, 0.2770,  
0.1880

53.4789, 0.2937,  
0.2437

27.8964, 0.2676,  
0.1628

65.7505, 0.3007,  
0.2717

22.7156, 0.2579,  
0.1411

80.0667, 0.3067,  
0.2988

18.9701, 0.2481,  
0.1238

96.5197, 0.3118,  
0.3242

■ 16.4762, 0.2388,  
0.1116

100.0000, 0.3127,  
0.3290

■ 15.1580, 0.2317,  
0.1050

# Harmonies

## Analogous

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



43.1515, 0.2151, 0.1985



43.1515, 0.2858, 0.2154



43.1515, 0.3764, 0.2543

# Triad

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



43.1515, 0.2858, 0.2154



43.1515, 0.4636, 0.4333



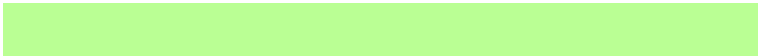
43.1515, 0.1853, 0.3264

# Complementary

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



43.1515, 0.2858, 0.2154



84.0985, 0.3290, 0.4510

# 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.



43.1515, 0.2398, 0.4242



43.1515, 0.2858, 0.2154



43.1515, 0.4003, 0.4830

# Square

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



43.1515, 0.2858, 0.2154



43.1515, 0.4875, 0.3706



43.1515, 0.3186, 0.4880



43.1515, 0.1642, 0.2488



# Rectangle

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



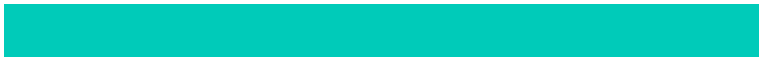
43.1515, 0.2858, 0.2154



43.1515, 0.4330, 0.2894



43.1515, 0.3186, 0.4880



43.1515, 0.1998, 0.3589

# Sweetspot

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



43.1527, 0.2858, 0.2154



78.4777, 0.3062, 0.2960



49.1576, 0.2419, 0.2473



16.0929, 0.3049, 0.2901



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.



43.1527, 0.2858, 0.2154



36.1878, 0.2788, 0.1933



48.7765, 0.3296, 0.2376



17.9587, 0.3081, 0.3052



8.0072, 0.2331, 0.1058



0.8409, 0.2431, 0.1113



# Inverse Universe

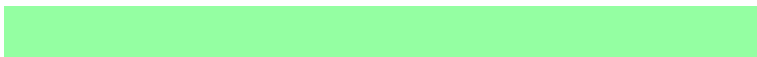
The Inverse Universe completely reimagines the original color for something new.



45.9871, 0.3822, 0.2896



39.5771, 0.4027, 0.2825



80.4347, 0.2997, 0.4422



18.0937, 0.3238, 0.3206



11.5253, 0.5563, 0.2838

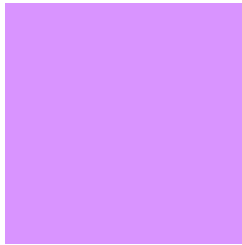


1.1421, 0.5249, 0.2665



# Previews

## White Background



This preview shows how the Yxy color 43.1515, 0.2858, 0.2154 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

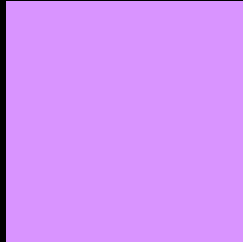
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.1515, 0.2858, 0.2154 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

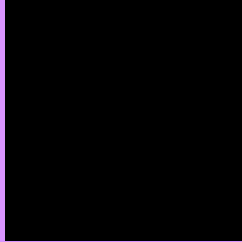
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.1515, 0.2858, 0.2154**

## Background



This preview shows how black text looks on a background with the Yxy color 43.1515, 0.2858, 0.2154.



This preview shows how white text looks on a background with the Yxy color 43.1515, 0.2858, 0.2154.

# 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

43.1515, 0.2858, 0.2154

### Protanopia

43.4030, 0.2389, 0.2294

### Deuteranopia

43.4701, 0.2417, 0.2355



## Tritanopia

43.1038, 0.3388, 0.3129

# Trichromacy



## Original Color

43.1515, 0.2858, 0.2154



## Protanomaly

42.6552, 0.2536, 0.2227



## Deuteranomaly

42.8228, 0.2555, 0.2267



## Tritanomaly

42.8078, 0.3181, 0.2732

# Monochromacy



## Original Color

43.1515, 0.2858, 0.2154



## Achromatopsia

46.2077, 0.3127, 0.3290



## Achromatomaly

44.3993, 0.3028, 0.2811

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.1515, 0.2858, 0.2154 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(217, 148, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 148, 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(217, 148, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 148, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 43.1515, 0.2858, 0.2154 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(217, 148, 255) }
```

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

```
.border{ border-color:rgb(217, 148, 255) }
```

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

Here you see how a box with a 4 pixel rgb(217, 148, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 148, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 148, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 148,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.1515, 0.2858, 0.2154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 148, 255) }
```

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

```
.background{ background-color: rgb(217,  
148, 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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