

# Converting Colors

$Y_{xy}(45.4168, 0.2767, 0.2113)$

Have a look what the booklet for  
Yxy(45.4168, 0.2767, 0.2113)  
contains.

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# Color

**Yxy(44.7783, 0.2844, 0.2210)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D79AFF
RGB	215, 154, 255
RGB Percent	84%, 60%, 100%
CMY	0.1570, 0.3960, 0.0000
CMYK	0.16, 0.40, 0.00, 0.00
HSL	276°, 100%, 80%
HSV	276°, 40%, 100%
XYZ	57.6242, 44.7783, 100.2142
YIQ	183.7530, 3.9350, 44.3430

# Conversions

## Conversions Part 2

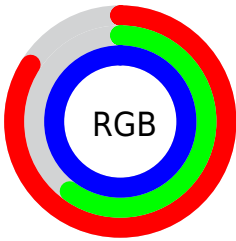
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	215, 154, 255
Decimal	14129919
CIE Lab	72.75, 40.66, -41.54
CIE LCh	73, 58.121, 314.387
Yxy	44.7783, 0.2844, 0.2210
Android (android.graphics.Color)	4292319999 (0xFFD79AFF)
YUV	183.7530, 35.1248, 27.4036
Hunter-Lab	66.9166, 36.6085, -41.9511

# Details

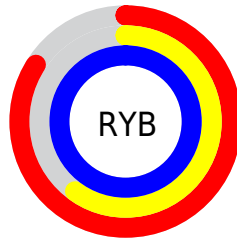
The Yxy color **44.7783, 0.2844, 0.2210** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **85.3284, 0.3311, 0.4424**, and the grayscale version is **47.5914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0809, 0.3148, 0.2841**, and **20.9509, 0.2756, 0.1974** is the 20% darker color. If you saturate the color by 10%, you get **35.7539, 0.2747, 0.1927**, and if you desaturate by 10%, it is **55.6885, 0.2931, 0.2498**.

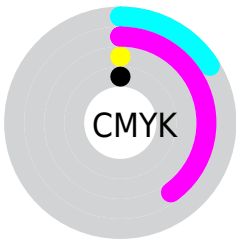
# Distribution



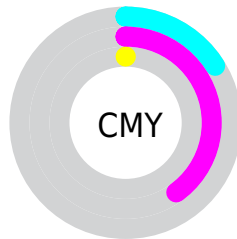
- Red (84%)
- Green (60%)
- Blue (100%)



- Red (84%)
- Yellow (60%)
- Blue (100%)



- Cyan (16%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)




- Cyan (16%)
- Magenta (40%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.7783, 0.2844, 0.2210 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 44.7783, 0.2844, 0.2210 by changing the saturation by 10% instead.





 44.7783, 0.2844,  
0.2210

 44.7783, 0.2844,  
0.2210


365.8749, 0.2997,  
0.2703

 31.2828, 0.2804,  
0.2101


 82.3876, 0.2901,  
0.2378

 20.8143, 0.2752,  
0.1969


 107.2703, 0.2922,  
0.2445

 12.9883, 0.2683,  
0.1806


136.7175, 0.2940,  
0.2502

 7.4205, 0.2586,  
0.1600

171.1135, 0.2955,  
0.2552

 3.7265, 0.2446,  
0.1338

210.8429, 0.2968,  
0.2597

 1.5218, 0.2229,  
0.1001

256.2900, 0.2979,

 0.3040, 0.1906,

0.2636

0.0425

307.8392, 0.2989,  
0.2671

0.0000, 0.0849,  
0.0000

0.0000, 0.0000,  
0.0000

44.7783, 0.2844,  
0.2210

44.7783, 0.2844,  
0.2210

35.7539, 0.2747,  
0.1927

55.6885, 0.2931,  
0.2498

28.4942, 0.2643,  
0.1661

68.5849, 0.3008,  
0.2780

22.8718, 0.2535,  
0.1426

83.5673, 0.3074,  
0.3049

18.7393, 0.2427,  
0.1234

100.0000, 0.3127,  
0.3290

■ 15.9215, 0.2323,  
0.1093

■ 14.1450, 0.2226,  
0.1001

■ 14.0834, 0.2222,  
0.0998

# Harmonies

## Analogous

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



44.7783, 0.2190, 0.2062



44.7783, 0.2844, 0.2210



44.7783, 0.3681, 0.2571

# Triad

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



44.7783, 0.2844, 0.2210



44.7783, 0.4562, 0.4256



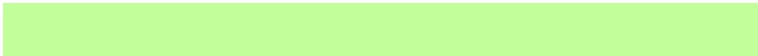
44.7783, 0.1954, 0.3315

# Complementary

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



44.7783, 0.2844, 0.2210



85.3284, 0.3311, 0.4424

# 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.



44.7783, 0.2485, 0.4203



44.7783, 0.2844, 0.2210



44.7783, 0.3991, 0.4713

# Square

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



44.7783, 0.2844, 0.2210



44.7783, 0.4750, 0.3668



44.7783, 0.3232, 0.4763



44.7783, 0.1735, 0.2577



# Rectangle

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



44.7783, 0.2844, 0.2210



44.7783, 0.4209, 0.2900



44.7783, 0.3232, 0.4763



44.7783, 0.2098, 0.3614

# Sweetspot

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



44.7800, 0.2844, 0.2210



79.7785, 0.3059, 0.2986



52.8579, 0.2467, 0.2569



16.6454, 0.3050, 0.2951



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.



44.7800, 0.2844, 0.2210



37.0774, 0.2763, 0.1971



50.9632, 0.3256, 0.2396



17.9202, 0.3074, 0.3051



7.4480, 0.2238, 0.1006



0.7886, 0.2346, 0.1066



# Inverse Universe

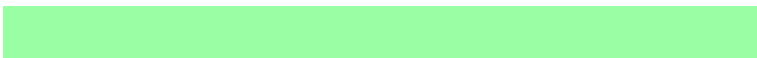
The Inverse Universe completely reimagines the original color for something new.



48.2735, 0.3725, 0.2875



41.2666, 0.3917, 0.2791



81.0761, 0.3020, 0.4388



18.1063, 0.3232, 0.3196



11.6278, 0.5399, 0.2748

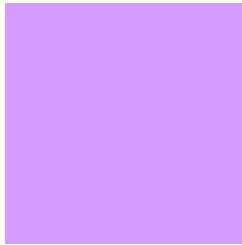


1.1530, 0.5096, 0.2581



# Previews

## White Background



This preview shows how the Yxy color 44.7783, 0.2844, 0.2210 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

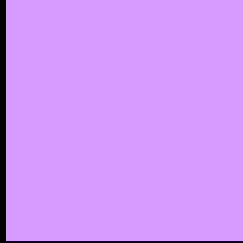
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.7783, 0.2844, 0.2210 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

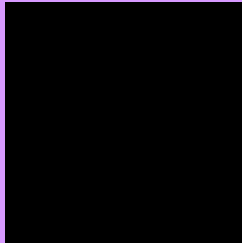
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.7783, 0.2844, 0.2210**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.7783, 0.2844, 0.2210.



This preview shows how white text looks on a background with the Yxy color 44.7783, 0.2844, 0.2210.

# 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

44.7783, 0.2844, 0.2210

### Protanopia

45.0430, 0.2425, 0.2339

### Deuteranopia

45.2793, 0.2454, 0.2392



## Tritanopia

44.4913, 0.3318, 0.3117

# Trichromacy



## Original Color

44.7783, 0.2844, 0.2210



## Protanomaly

44.4554, 0.2562, 0.2280



## Deuteranomaly

44.6343, 0.2581, 0.2320



## Tritanomaly

44.4198, 0.3134, 0.2756

# Monochromacy



## Original Color

44.7783, 0.2844, 0.2210



## Achromatopsia

47.9320, 0.3127, 0.3290



## Achromatomaly

46.1424, 0.3020, 0.2839

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.7783, 0.2844, 0.2210 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, 154, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 154, 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, 154, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 154, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 44.7783, 0.2844, 0.2210 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, 154, 255) }
```

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

```
.border{ border-color:rgb(215, 154, 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, 154, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 154, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 154, 255);  
box-shadow:4px 4px 4px 4px rgb(215, 154,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.7783, 0.2844, 0.2210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 154, 255) }
```

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

```
.background{ background-color: rgb(215,  
154, 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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