

# Converting Colors

$Y_{xy}(44.1936, 0.2630, 0.1852)$

Have a look what the booklet for  
Yxy(44.1936, 0.2630, 0.1852)  
contains.

<b>Yxy(41.7703, 0.2865, 0.2107)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(41.7703, 0.2865, 0.2107)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DA8FFF
RGB	218, 143, 255
RGB Percent	85%, 56%, 100%
CMY	0.1449, 0.4393, 0.0000
CMYK	0.14, 0.44, 0.00, 0.00
HSL	280°, 100%, 78%
HSV	280°, 44%, 100%
XYZ	56.7973, 41.7703, 99.6778
YIQ	178.1930, 8.7480, 50.7320

# Conversions

## Conversions Part 2

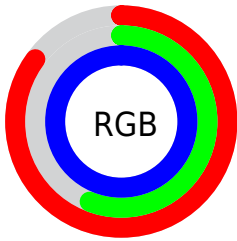
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	218, 143, 255
Decimal	14323711
CIE <sub>Lab</sub>	70.71, 47.39, -44.69
CIE <sub>LCh</sub>	71, 65.138, 316.675
Yxy	41.7703, 0.2865, 0.2107
Android (android.graphics.Color)	4292513791 (0xFFDA8FFF)
YUV	178.1930, 37.8659, 34.9107
Hunter-Lab	64.6299, 43.7648, -46.2011

# Details

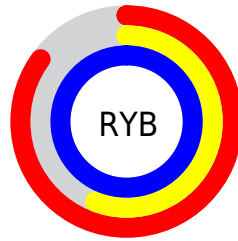
The Yxy color **41.7703, 0.2865, 0.2107** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **83.1968, 0.3277, 0.4581**, and the grayscale version is **44.4216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8682, 0.3153, 0.2732**, and **18.9666, 0.2769, 0.1840** is the 20% darker color. If you saturate the color by 10%, you get **33.7035, 0.2783, 0.1841**, and if you desaturate by 10%, it is **51.6458, 0.2940, 0.2385**.

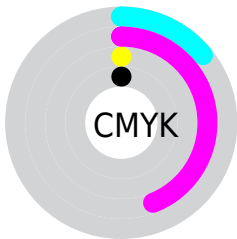
# Distribution



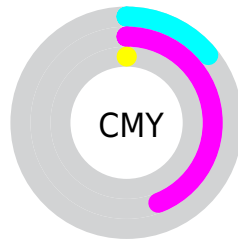
- Red (85%)
- Green (56%)
- Blue (100%)



- Red (85%)
- Yellow (56%)
- Blue (100%)



- Cyan (14%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)




- Cyan (14%)
- Magenta (44%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7703, 0.2865, 0.2107 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 41.7703, 0.2865, 0.2107 by changing the saturation by 10% instead.





 41.7703, 0.2865,  
0.2107

 41.7703, 0.2865,  
0.2107


353.5299, 0.3013,  
0.2645

 28.9215, 0.2825,  
0.1989


 77.8519, 0.2921,  
0.2290

 19.0214, 0.2773,  
0.1846


 101.8534, 0.2942,  
0.2363

 11.6858, 0.2702,  
0.1671


130.3413, 0.2959,  
0.2425

 6.5301, 0.2602,  
0.1452

163.6999, 0.2973,  
0.2480

 3.1700, 0.2456,  
0.1177

202.3137, 0.2985,  
0.2529

 1.2211, 0.2227,  
0.0833

246.5670, 0.2996,

 0.0789, 0.1910,

0.2572

0.0116

296.8443, 0.3005,  
0.2610

0.0000, 0.0689,  
0.0000

0.0000, 0.0000,  
0.0000

41.7703, 0.2865,  
0.2107

41.7703, 0.2865,  
0.2107

33.7035, 0.2783,  
0.1841

51.6458, 0.2940,  
0.2385

27.3202, 0.2695,  
0.1600

63.4344, 0.3006,  
0.2665

22.4866, 0.2604,  
0.1395

77.2380, 0.3063,  
0.2936

19.0456, 0.2514,  
0.1237

93.1499, 0.3111,  
0.3194

■ 16.8056, 0.2427,  
0.1129

100.0000, 0.3127,  
0.3290

■ 15.8663, 0.2377,  
0.1083

# Harmonies

## Analogous

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



41.7703, 0.2116, 0.1923



41.7703, 0.2865, 0.2107



41.7703, 0.3829, 0.2518

# Triad

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



41.7703, 0.2865, 0.2107



41.7703, 0.4696, 0.4390



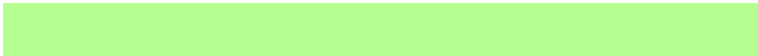
41.7703, 0.1773, 0.3226

# Complementary

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



41.7703, 0.2865, 0.2107



83.1968, 0.3277, 0.4581

# 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.



41.7703, 0.2329, 0.4279



41.7703, 0.2865, 0.2107



41.7703, 0.4014, 0.4926

# Square

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



41.7703, 0.2865, 0.2107



41.7703, 0.4975, 0.3730



41.7703, 0.3152, 0.4980



41.7703, 0.1568, 0.2418



# Rectangle

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



41.7703, 0.2865, 0.2107



41.7703, 0.4427, 0.2885



41.7703, 0.3152, 0.4980



41.7703, 0.1919, 0.3571

# Sweetspot

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



41.7719, 0.2865, 0.2107



78.6279, 0.3067, 0.2961



45.8290, 0.2376, 0.2379



16.1301, 0.3056, 0.2902



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.



41.7719, 0.2865, 0.2107



34.3810, 0.2791, 0.1865



46.9736, 0.3339, 0.2368



17.9826, 0.3085, 0.3052



8.3752, 0.2390, 0.1090



0.8750, 0.2484, 0.1142



# Inverse Universe

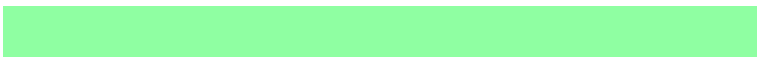
The Inverse Universe completely reimagines the original color for something new.



44.1905, 0.3900, 0.2907



37.3526, 0.4152, 0.2837



79.9538, 0.2974, 0.4438



18.0859, 0.3242, 0.3212



11.4686, 0.5660, 0.2892



1.1359, 0.5342, 0.2716



# Previews

## White Background



This preview shows how the Yxy color 41.7703, 0.2865, 0.2107 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

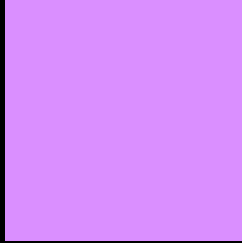
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.7703, 0.2865, 0.2107 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 41.7703, 0.2865, 0.2107**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.7703, 0.2865, 0.2107.



This preview shows how white text looks on a background with the Yxy color 41.7703, 0.2865, 0.2107.

# 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

41.7703, 0.2865, 0.2107

### Protanopia

42.2751, 0.2361, 0.2263

### Deuteranopia

42.1842, 0.2388, 0.2333



## Tritanopia

41.6675, 0.3442, 0.3129

# Trichromacy



## Original Color

41.7703, 0.2865, 0.2107



## Protanomaly

41.3677, 0.2517, 0.2188



## Deuteranomaly

41.0008, 0.2534, 0.2223



## Tritanomaly

41.1246, 0.3220, 0.2707

# Monochromacy



## Original Color

41.7703, 0.2865, 0.2107



## Achromatopsia

44.5201, 0.3127, 0.3290



## Achromatomaly

42.7040, 0.3036, 0.2783

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.7703, 0.2865, 0.2107 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(218, 143, 255)` looks like.

```
.text, #text, p{  
    color:rgb(218, 143, 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(218, 143, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 143, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 41.7703, 0.2865, 0.2107 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(218, 143, 255) }
```

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

```
.border{ border-color:rgb(218, 143, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 143, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 143, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 143, 255);  
box-shadow:4px 4px 4px 4px rgb(218, 143,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.7703, 0.2865, 0.2107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 143, 255) }
```

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

```
.background{ background-color: rgb(218,  
143, 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