

# Converting Colors

$Y_{xy}(41.6257, 0.2647, 0.2221)$

Have a look what the booklet for  
Yxy(41.6257, 0.2647, 0.2221)  
contains.

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# Color

**Yxy(41.7950, 0.2654, 0.2230)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BA9EFA
RGB	186, 158, 250
RGB Percent	73%, 62%, 98%
CMY	0.2704, 0.3805, 0.0196
CMYK	0.26, 0.37, 0.00, 0.02
HSL	258°, 90%, 80%
HSV	258°, 37%, 98%
XYZ	49.7417, 41.7950, 95.8849
YIQ	176.8600, -12.8440, 34.5480

# Conversions

## Conversions Part 2

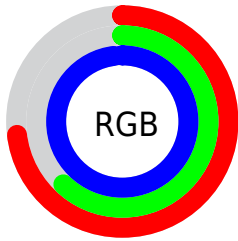
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	186, 158, 250
Decimal	12230394
CIE <sub>Lab</sub>	70.73, 29.10, -42.17
CIE <sub>LCh</sub>	71, 51.233, 304.607
Yxy	41.7950, 0.2654, 0.2230
Android (android.graphics.Color)	4290420474 (0xFFBA9EFA)
YUV	176.8600, 36.0580, 8.0158
Hunter-Lab	64.6491, 24.2040, -42.6822

# Details

The Yxy color **41.7950, 0.2654, 0.2230** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **86.3545, 0.3486, 0.4273**, and the grayscale version is **43.7054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0416, 0.3069, 0.2871**, and **18.9836, 0.2515, 0.1978** is the 20% darker color. If you saturate the color by 10%, you get **32.0732, 0.2490, 0.1904**, and if you desaturate by 10%, it is **53.5191, 0.2805, 0.2547**.

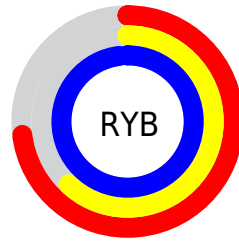
# Distribution



Red (73%)

Green (62%)

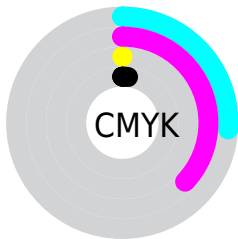
Blue (98%)



Red (73%)

Yellow (62%)

Blue (98%)

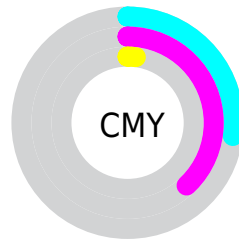


Cyan (26%)

Magenta (37%)

Yellow (0%)

Black (2%)



Cyan (27%)

Magenta (38%)


Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7950, 0.2654, 0.2230 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 41.7950, 0.2654, 0.2230 by changing the saturation by 10% instead.





 41.7950, 0.2654,  
0.2230


 41.7950, 0.2654,  
0.2230

353.6324, 0.2898,  
0.2725

 28.9408, 0.2593,  
0.2118


 77.8893, 0.2743,  
0.2401

 19.0360, 0.2514,  
0.1981


 101.8981, 0.2777,  
0.2468

 11.6963, 0.2411,  
0.1811


130.3940, 0.2805,  
0.2526

 6.5373, 0.2271,  
0.1594


163.7613, 0.2829,  
0.2576

 3.1744, 0.2072,  
0.1314

202.3844, 0.2850,  
0.2620

 1.2235, 0.1776,  
0.0951

246.6477, 0.2868,

 0.0807, 0.1371,

0.2659

0.0141

296.9356, 0.2884,  
0.2694

0.0000, 0.0000,  
0.0000

41.7950, 0.2654,  
0.2230

41.7950, 0.2654,  
0.2230

32.0732, 0.2490,  
0.1904

53.5191, 0.2805,  
0.2547

24.2334, 0.2317,  
0.1585

67.3466, 0.2939,  
0.2845

18.1499, 0.2145,  
0.1290

83.3772, 0.3057,  
0.3119

13.6790, 0.1982,  
0.1041

99.6819, 0.3156,  
0.3338

10.6529, 0.1839,  
0.0853

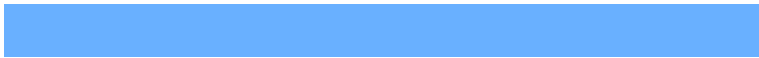
■ 8.8616, 0.1724,  
0.0734

■ 8.4500, 0.1692,  
0.0706

# Harmonies

## Analogous

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



41.7950, 0.2130, 0.2169



41.7950, 0.2654, 0.2230



41.7950, 0.3380, 0.2505

# Triad

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



41.7950, 0.2654, 0.2230



41.7950, 0.4537, 0.4022



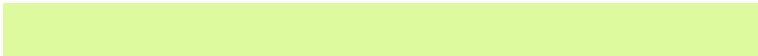
41.7950, 0.2190, 0.3580

# Complementary

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



41.7950, 0.2654, 0.2230



86.3545, 0.3486, 0.4273

# 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.



41.7950, 0.2761, 0.4319



41.7950, 0.2654, 0.2230



41.7950, 0.4122, 0.4484

# Square

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



41.7950, 0.2654, 0.2230



41.7950, 0.4550, 0.3474



41.7950, 0.3469, 0.4655



41.7950, 0.1886, 0.2841



# Rectangle

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



41.7950, 0.2654, 0.2230



41.7950, 0.3883, 0.2784



41.7950, 0.3469, 0.4655



41.7950, 0.2355, 0.3848

# Sweetspot

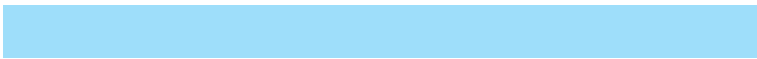
The Sweet Spot groups the original color and five complimentary colors.



41.7966, 0.2654, 0.2230



79.8798, 0.3009, 0.3007



66.6209, 0.2565, 0.2968



16.6097, 0.2993, 0.2970



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.



41.7966, 0.2654, 0.2230



36.1563, 0.2536, 0.1994



48.4380, 0.3017, 0.2334



16.8998, 0.3027, 0.3048



4.5481, 0.1707, 0.0714



0.4743, 0.1831, 0.0783



# Inverse Universe

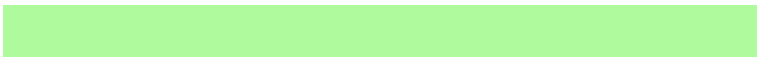
The Inverse Universe completely reimagines the original color for something new.



50.0412, 0.3409, 0.2632



46.0528, 0.3484, 0.2505



80.1126, 0.3185, 0.4373



17.4291, 0.3185, 0.3127



12.4225, 0.4167, 0.2069

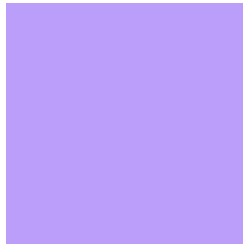


1.1694, 0.4024, 0.1991



# Previews

## White Background



This preview shows how the Yxy color 41.7950, 0.2654, 0.2230 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

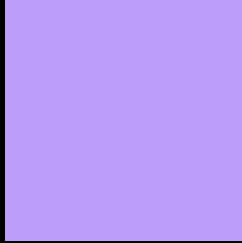
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.7950, 0.2654, 0.2230 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

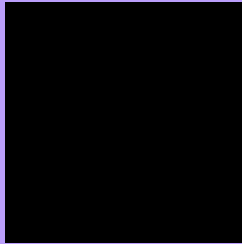
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.7950, 0.2654, 0.2230**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.7950, 0.2654, 0.2230.



This preview shows how white text looks on a background with the Yxy color 41.7950, 0.2654, 0.2230.

# 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

41.7950, 0.2654, 0.2230

### Protanopia

41.8987, 0.2359, 0.2250

### Deuteranopia

41.8610, 0.2408, 0.2343



## Tritanopia

41.6273, 0.3039, 0.3102

# Trichromacy



## Original Color

41.7950, 0.2654, 0.2230

## Protanomaly

41.7352, 0.2455, 0.2244

## Deuteranomaly

41.5233, 0.2490, 0.2294

## Tritanomaly

41.3409, 0.2884, 0.2740

# Monochromacy



## Original Color

41.7950, 0.2654, 0.2230

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

42.8124, 0.2940, 0.2855

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.7950, 0.2654, 0.2230 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(186, 158, 250)` looks like.

```
.text, #text, p{  
    color:rgb(186, 158, 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(186, 158, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 158, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 41.7950, 0.2654, 0.2230 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(186, 158, 250) }
```

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

```
.border{ border-color:rgb(186, 158, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 158, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 158, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 158, 250);  
box-shadow:4px 4px 4px 4px rgb(186, 158,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.7950, 0.2654, 0.2230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 158, 250) }
```

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

```
.background{ background-color: rgb(186,  
158, 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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