

# Converting Colors

$Y_{xy}(25.7955, 0.2630, 0.1545)$

Have a look what the booklet for  
Yxy(25.7955, 0.2630, 0.1545)  
contains.

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**Color**

**Yxy(25.8341, 0.2627, 0.1547)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C259FF
RGB	194, 89, 255
RGB Percent	76%, 35%, 100%
CMY	0.2393, 0.6509, 0.0000
CMYK	0.24, 0.65, 0.00, 0.00
HSL	278°, 100%, 67%
HSV	278°, 65%, 100%
XYZ	43.8695, 25.8341, 97.2912
YIQ	139.3190, 9.2940, 73.8860

# Conversions

## Conversions Part 2

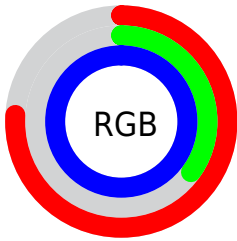
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 89, 255
Decimal	12737023
CIELab	57.88, 67.96, -65.26
CIELCh	58, 94.219, 316.163
Yxy	25.8341, 0.2627, 0.1547
Android (android.graphics.Color)	4290927103 (0xFFC259FF)
YUV	139.3190, 57.0307, 47.9552
Hunter-Lab	50.8273, 65.1175, -77.9111

# Details

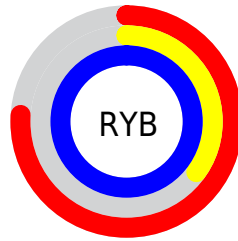
The Yxy color **25.8341, 0.2627, 0.1547** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **78.7272, 0.3324, 0.5218**, and the grayscale version is **25.7222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.5416, 0.3168, 0.2227**, and **9.9660, 0.2433, 0.1185** is the 20% darker color. If you saturate the color by 10%, you get **21.0985, 0.2526, 0.1340**, and if you desaturate by 10%, it is **32.1173, 0.2726, 0.1792**.

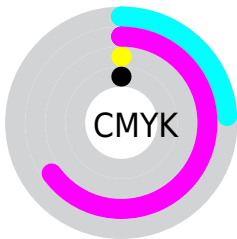
# Distribution



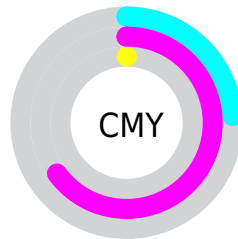
- Red (76%)
- Green (35%)
- Blue (100%)



- Red (76%)
- Yellow (35%)
- Blue (100%)



- Cyan (24%)
- Magenta (65%)
- Yellow (0%)
- Black (0%)




- Cyan (24%)
- Magenta (65%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 25.8341, 0.2627, 0.1547 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 25.8341, 0.2627, 0.1547 by changing the saturation by 10% instead.





 25.8341, 0.2627,  
0.1547


 25.8341, 0.2627,  
0.1547


281.9667, 0.2923,  
0.2335


 16.6996, 0.2545,  
0.1381

 53.0072, 0.2742,  
0.1811


 10.0205, 0.2436,  
0.1187


 71.8145, 0.2783,  
0.1917

 5.4126, 0.2290,  
0.0959


 94.6149, 0.2817,  
0.2009

 2.4913, 0.2088,  
0.0698

 121.7928, 0.2846,  
0.2090

 0.8723, 0.1801,  
0.0414

153.7325, 0.2870,  
0.2162

 0.0000, 0.1411,  
0.0000

190.8185, 0.2890,


 0.0000, 0.0704,

0.2226


0.0000


233.4351, 0.2908,  
0.2283

 0.0000, 0.0000,  
0.0000

 25.8341, 0.2627,  
0.1547

 25.8341, 0.2627,  
0.1547

 21.0985, 0.2526,  
0.1340


 32.1173, 0.2726,  
0.1792


 17.7492, 0.2426,  
0.1181


 40.0854, 0.2820,  
0.2063

 15.5888, 0.2332,  
0.1073

 49.8609, 0.2905,  
0.2345

 14.8257, 0.2288,  
0.1034

 61.5545, 0.2981,  
0.2629

 75.2679, 0.3046,  
0.2904

91.0953, 0.3102,  
0.3164

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



25.8341, 0.1575, 0.1307



25.8341, 0.2627, 0.1547



25.8341, 0.4222, 0.2082

# Triad

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



25.8341, 0.2627, 0.1547



25.8341, 0.5330, 0.4568



25.8341, 0.1070, 0.3069

# Complementary

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



25.8341, 0.2627, 0.1547



78.7272, 0.3324, 0.5218

# 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.



25.8341, 0.1763, 0.5125



25.8341, 0.2627, 0.1547



25.8341, 0.4174, 0.5683

# Square

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



25.8341, 0.2627, 0.1547



25.8341, 0.5996, 0.3606



25.8341, 0.2911, 0.6294



25.8341, 0.0884, 0.1850



# Rectangle

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



25.8341, 0.2627, 0.1547



25.8341, 0.5269, 0.2558



25.8341, 0.2911, 0.6294



25.8341, 0.1236, 0.3699

# Sweetspot

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



25.8344, 0.2627, 0.1547



68.2823, 0.3015, 0.2770



32.0087, 0.2036, 0.1945



13.8067, 0.2996, 0.2693



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.



25.8344, 0.2627, 0.1547



19.9903, 0.2497, 0.1288



34.4412, 0.3386, 0.1947



17.9471, 0.3079, 0.3051



7.8344, 0.2303, 0.1042



0.8249, 0.2405, 0.1099



# Inverse Universe

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



30.6089, 0.4451, 0.2708



25.6885, 0.4875, 0.2685



74.7350, 0.2963, 0.5197



18.0975, 0.3236, 0.3203



11.5547, 0.5515, 0.2812

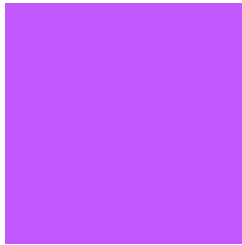


1.1452, 0.5203, 0.2640



# Previews

## White Background



This preview shows how the Yxy color 25.8341, 0.2627, 0.1547 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

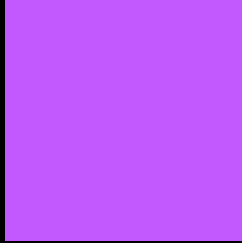
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 25.8341, 0.2627, 0.1547 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

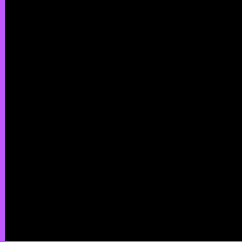
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 25.8341, 0.2627, 0.1547**

## Background



This preview shows how black text looks on a background with the Yxy color 25.8341, 0.2627, 0.1547.



This preview shows how white text looks on a background with the Yxy color 25.8341, 0.2627, 0.1547.

# 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

25.8341, 0.2627, 0.1547

### Protanopia

26.1257, 0.1934, 0.1697

### Deuteranopia

26.2467, 0.1895, 0.1830



## Tritanopia

25.6696, 0.3603, 0.3158

# Trichromacy



## Original Color

25.8341, 0.2627, 0.1547



## Protanomaly

24.1699, 0.2096, 0.1569



## Deuteranomaly

23.4679, 0.2016, 0.1614



## Tritanomaly

24.8887, 0.3192, 0.2400

# Monochromacy



## Original Color

25.8341, 0.2627, 0.1547



## Achromatopsia

25.8183, 0.3127, 0.3290



## Achromatomaly

24.3819, 0.2926, 0.2421

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 25.8341, 0.2627, 0.1547 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(194, 89, 255)` looks like.

```
.text, #text, p{  
    color:rgb(194, 89, 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(194, 89, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 89, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 25.8341, 0.2627, 0.1547 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(194, 89, 255) }
```

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

```
.border{ border-color:rgb(194, 89, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 89, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 89, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 89, 255);  
box-shadow:4px 4px 4px 4px rgb(194, 89,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 25.8341, 0.2627, 0.1547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 89, 255) }
```

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

```
.background{ background-color: rgb(194, 89,  
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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