

# Converting Colors

$Y_{xy}(25.3830, 0.2741, 0.1505)$

Have a look what the booklet for  
Yxy(25.3830, 0.2741, 0.1505)  
contains.

<b>Yxy(25.3830, 0.2741, 0.1505)</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(25.3830, 0.2741, 0.1505)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CF4AFF
RGB	207, 74, 255
RGB Percent	81%, 29%, 100%
CMY	0.1882, 0.7098, 0.0001
CMYK	0.19, 0.71, 0.00, 0.00
HSL	284°, 100%, 65%
HSV	284°, 71%, 100%
XYZ	46.2291, 25.3830, 97.0457
YIQ	134.4010, 21.1670, 84.4870

# Conversions

## Conversions Part 2

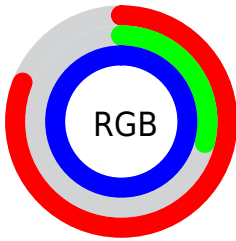
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	207, 74, 255
Decimal	13585151
CIE Lab	57.45, 76.63, -65.84
CIE LCh	57, 101.033, 319.332
Yxy	25.3830, 0.2741, 0.1505
Android (android.graphics.Color)	4291775231 (0xFFCF4AFF)
YUV	134.4010, 59.4553, 63.6693
Hunter-Lab	50.3815, 75.6204, -78.9382

# Details

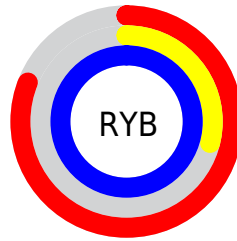
The Yxy color **25.3830, 0.2741, 0.1505** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **76.1312, 0.3216, 0.5440**, and the grayscale version is **23.7686, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2551, 0.3182, 0.2128**, and **10.3271, 0.2584, 0.1197** is the 20% darker color. If you saturate the color by 10%, you get **21.6886, 0.2668, 0.1345**, and if you desaturate by 10%, it is **30.4994, 0.2813, 0.1708**.

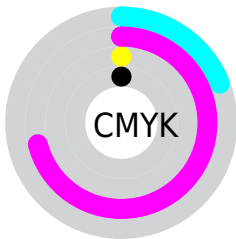
# Distribution



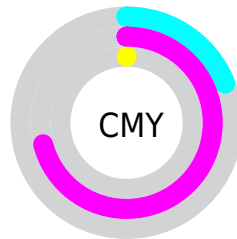
- Red (81%)
- Green (29%)
- Blue (100%)



- Red (81%)
- Yellow (29%)
- Blue (100%)



- Cyan (19%)
- Magenta (71%)
- Yellow (0%)
- Black (0%)




- Cyan (19%)
- Magenta (71%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 25.3830, 0.2741, 0.1505 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 25.3830, 0.2741, 0.1505 by changing the saturation by 10% instead.





 25.3830, 0.2741,  
0.1505


 25.3830, 0.2741,  
0.1505


279.7400, 0.2985,  
0.2304


 16.3626, 0.2670,  
0.1339


 52.2779, 0.2839,  
0.1771


 9.7811, 0.2575,  
0.1145


 70.9212, 0.2873,  
0.1878

 5.2541, 0.2444,  
0.0919


 93.5409, 0.2901,  
0.1972

 2.3971, 0.2260,  
0.0662

 120.5215, 0.2924,  
0.2055

 0.8244, 0.1992,  
0.0385

 152.2473, 0.2943,  
0.2128

 0.0000, 0.1618,  
0.0000

189.1027, 0.2959,


 0.0000, 0.0985,


0.2193


0.0000


231.4721, 0.2973,  
0.2252


 0.0000, 0.0000,  
0.0000


 25.3830, 0.2741,  
0.1505


 25.3830, 0.2741,  
0.1505


 21.6886, 0.2668,  
0.1345


 30.4994, 0.2813,  
0.1708

 19.2345, 0.2597,  
0.1234


 37.1841, 0.2881,  
0.1946


 17.8332, 0.2534,  
0.1170

 45.5679, 0.2944,  
0.2206

 55.7671, 0.3000,  
0.2478

 67.8876, 0.3048,  
0.2750

 82.0269, 0.3090,  
0.3015

 98.2761, 0.3124,  
0.3266

99.9981, 0.3127,  
0.3290

# Harmonies

## Analogous

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



25.3830, 0.1577, 0.1227



25.3830, 0.2741, 0.1505



25.3830, 0.4488, 0.2083

# Triad

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



25.3830, 0.2741, 0.1505



25.3830, 0.5303, 0.4697



25.3830, 0.0921, 0.2838

# Complementary

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



25.3830, 0.2741, 0.1505



76.1312, 0.3216, 0.5440

# 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.



25.3830, 0.1551, 0.5047



25.3830, 0.2741, 0.1505



25.3830, 0.4023, 0.5917

# Square

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



25.3830, 0.2741, 0.1505



25.3830, 0.6109, 0.3646



25.3830, 0.2697, 0.6518



25.3830, 0.0790, 0.1674



# Rectangle

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



25.3830, 0.2741, 0.1505



25.3830, 0.5570, 0.2578



25.3830, 0.2697, 0.6518



25.3830, 0.1063, 0.3479

# Sweetspot

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



25.3840, 0.2741, 0.1505



67.8704, 0.3048, 0.2749



22.6586, 0.1882, 0.1531



13.7685, 0.3036, 0.2675



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.



25.3840, 0.2741, 0.1505



20.5679, 0.2639, 0.1295



30.9445, 0.3651, 0.2030



18.0440, 0.3095, 0.3053



9.3972, 0.2545, 0.1176



0.9682, 0.2624, 0.1219



# Inverse Universe

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



27.5576, 0.4917, 0.2871



23.5012, 0.5454, 0.2910



74.2241, 0.2885, 0.5130



18.0661, 0.3252, 0.3227



11.3451, 0.5888, 0.3017

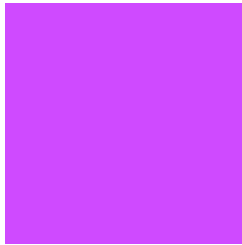


1.1218, 0.5570, 0.2842



# Previews

## White Background



This preview shows how the Yxy color 25.3830, 0.2741, 0.1505 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

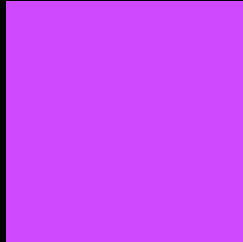
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 25.3830, 0.2741, 0.1505 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

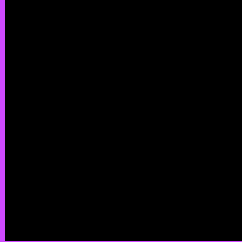
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 25.3830, 0.2741, 0.1505**

## Background



This preview shows how black text looks on a background with the Yxy color 25.3830, 0.2741, 0.1505.



This preview shows how white text looks on a background with the Yxy color 25.3830, 0.2741, 0.1505.

# 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

25.3830, 0.2741, 0.1505

### Protanopia

25.7260, 0.1920, 0.1680

### Deuteranopia

25.8081, 0.1894, 0.1832



## Tritanopia

25.1805, 0.3904, 0.3166

# Trichromacy



**Original Color**

25.3830, 0.2741, 0.1505

**Protanomaly**

22.9459, 0.2094, 0.1508

**Deuteranomaly**

22.2094, 0.2035, 0.1566

**Tritanomaly**

24.1608, 0.3424, 0.2370

# Monochromacy



**Original Color**

25.3830, 0.2741, 0.1505

**Achromatopsia**

23.8398, 0.3127, 0.3290

**Achromatomaly**

22.3798, 0.2977, 0.2335

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 25.3830, 0.2741, 0.1505 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(207, 74, 255)` looks like.

```
.text, #text, p{  
    color:rgb(207, 74, 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(207, 74, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 74, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 25.3830, 0.2741, 0.1505 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(207, 74, 255) }
```

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

```
.border{ border-color:rgb(207, 74, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 74, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 74, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 74, 255);  
box-shadow:4px 4px 4px 4px rgb(207, 74,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 25.3830, 0.2741, 0.1505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 74, 255) }
```

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

```
.background{ background-color: rgb(207, 74,  
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