

# Converting Colors

$Y_{xy}(25.7107, 0.2740, 0.1520)$

Have a look what the booklet for  
Yxy(25.7107, 0.2740, 0.1520)  
contains.

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# Color

**Yxy(25.7932, 0.2742, 0.1523)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CF4DFF
RGB	207, 77, 255
RGB Percent	81%, 30%, 100%
CMY	0.1882, 0.6981, 0.0001
CMYK	0.19, 0.70, 0.00, 0.00
HSL	284°, 100%, 65%
HSV	284°, 70%, 100%
XYZ	46.4379, 25.7932, 97.1267
YIQ	136.1620, 20.3420, 82.9180

# Conversions

## Conversions Part 2

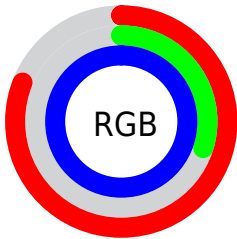
Format	Color
R <sub>Y</sub> B	207, 77, 255
Decimal	13585919
CIE Lab	57.84, 75.53, -65.22
CIE LCh	58, 99.788, 319.191
Yxy	25.7932, 0.2742, 0.1523
Android (android.graphics.Color)	4291775999 (0xFFCF4DFF)
YUV	136.1620, 58.5871, 62.1249
Hunter-Lab	50.7870, 74.3371, -77.8372

# Details

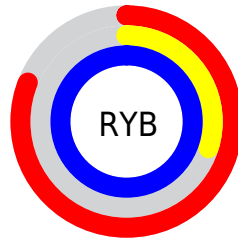
The Yxy color **25.7932, 0.2742, 0.1523** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **76.4038, 0.3223, 0.5407**, and the grayscale version is **24.4552, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.0883, 0.3181, 0.2153**, and **10.3271, 0.2584, 0.1197** is the 20% darker color. If you saturate the color by 10%, you get **21.9301, 0.2668, 0.1357**, and if you desaturate by 10%, it is **31.0986, 0.2815, 0.1732**.

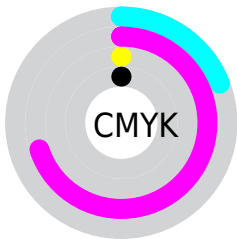
# Distribution



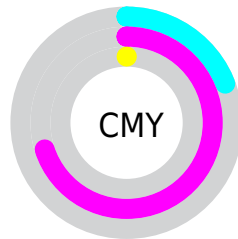
- Red (81%)
- Green (30%)
- Blue (100%)



- Red (81%)
- Yellow (30%)
- Blue (100%)



- Cyan (19%)
- Magenta (70%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (70%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 25.7932, 0.2742, 0.1523 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 25.7932, 0.2742, 0.1523 by changing the saturation by 10% instead.





 25.7932, 0.2742,  
0.1523


 25.7932, 0.2742,  
0.1523


281.7654, 0.2985,  
0.2315


 16.6690, 0.2672,  
0.1358


 52.9411, 0.2839,  
0.1787

 9.9988, 0.2578,  
0.1165


 71.7337, 0.2873,  
0.1893

 5.3981, 0.2449,  
0.0939


 94.5177, 0.2900,  
0.1986

 2.4827, 0.2266,  
0.0682

 121.6778, 0.2923,  
0.2068

 0.8680, 0.2001,  
0.0403

153.5982, 0.2942,  
0.2140

 0.0000, 0.1634,  
0.0000

190.6633, 0.2959,


 0.0000, 0.1006,


0.2205


0.0000


233.2576, 0.2973,  
0.2263


 0.0000, 0.0000,  
0.0000


 25.7932, 0.2742,  
0.1523

 25.7932, 0.2742,  
0.1523


 21.9301, 0.2668,  
0.1357


 31.0986, 0.2815,  
0.1732


 19.3317, 0.2595,  
0.1239


 37.9899, 0.2884,  
0.1973


 17.7200, 0.2525,  
0.1165

 46.5962, 0.2947,  
0.2236

 17.6924, 0.2523,  
0.1164

 57.0324, 0.3003,  
0.2509

 69.4035, 0.3052,  
0.2781

 83.8061, 0.3093,  
0.3045

99.9991, 0.3127,  
0.3290

# Harmonies

## Analogous

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



25.7932, 0.1592, 0.1248



25.7932, 0.2742, 0.1523



25.7932, 0.4459, 0.2097

# Triad

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



25.7932, 0.2742, 0.1523



25.7932, 0.5290, 0.4689



25.7932, 0.0948, 0.2859

# Complementary

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



25.7932, 0.2742, 0.1523



76.4038, 0.3223, 0.5407

# 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.



25.7932, 0.1582, 0.5023



25.7932, 0.2742, 0.1523



25.7932, 0.4033, 0.5880

# Square

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



25.7932, 0.2742, 0.1523



25.7932, 0.6077, 0.3655



25.7932, 0.2724, 0.6460



25.7932, 0.0812, 0.1700



# Rectangle

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



25.7932, 0.2742, 0.1523



25.7932, 0.5525, 0.2588



25.7932, 0.2724, 0.6460



25.7932, 0.1093, 0.3492

# Sweetspot

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



25.7942, 0.2742, 0.1523



67.8285, 0.3047, 0.2749



24.0852, 0.1910, 0.1600



13.7584, 0.3034, 0.2674



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.



25.7942, 0.2742, 0.1523



20.6999, 0.2637, 0.1302



31.5438, 0.3606, 0.2019



18.0398, 0.3095, 0.3053



9.3231, 0.2535, 0.1170



0.9615, 0.2614, 0.1214



# Inverse Universe

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



28.0437, 0.4860, 0.2864



23.7238, 0.5403, 0.2896



74.3394, 0.2896, 0.5134



18.0675, 0.3252, 0.3226



11.3526, 0.5873, 0.3009

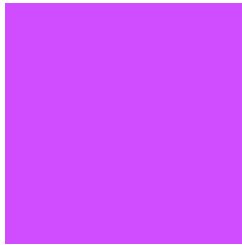


1.1227, 0.5555, 0.2834



# Previews

## White Background



This preview shows how the Yxy color 25.7932, 0.2742, 0.1523 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

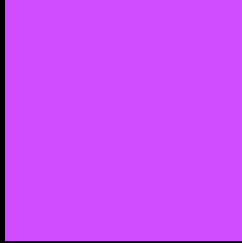
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 25.7932, 0.2742, 0.1523 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

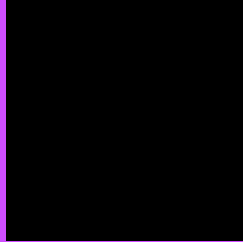
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 25.7932, 0.2742, 0.1523**

## Background



This preview shows how black text looks on a background with the Yxy color 25.7932, 0.2742, 0.1523.



This preview shows how white text looks on a background with the Yxy color 25.7932, 0.2742, 0.1523.

# 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

25.7932, 0.2742, 0.1523

### Protanopia

26.0844, 0.1930, 0.1695

### Deuteranopia

26.2852, 0.1907, 0.1842



## Tritanopia

25.4435, 0.3886, 0.3166

# Trichromacy



## Original Color

25.7932, 0.2742, 0.1523



## Protanomaly

23.5397, 0.2111, 0.1535



## Deuteranomaly

22.9223, 0.2053, 0.1590



## Tritanomaly

24.5587, 0.3421, 0.2394

# Monochromacy



## Original Color

25.7932, 0.2742, 0.1523



## Achromatopsia

24.6201, 0.3127, 0.3290



## Achromatomaly

23.1975, 0.2978, 0.2368

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 25.7932, 0.2742, 0.1523 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, 77, 255)` looks like.

```
.text, #text, p{  
    color:rgb(207, 77, 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, 77, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 77, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 25.7932, 0.2742, 0.1523 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, 77, 255) }
```

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

```
.border{ border-color:rgb(207, 77, 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, 77, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 77, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 77, 255);  
box-shadow:4px 4px 4px 4px rgb(207, 77,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 25.7932, 0.2742, 0.1523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 77, 255) }
```

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

```
.background{ background-color: rgb(207, 77,  
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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