

# Converting Colors

$Y_{xy}(24.5140, 0.2761, 0.1462)$

Have a look what the booklet for  
Yxy(24.5140, 0.2761, 0.1462)  
contains.

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# Color

**Yxy(24.4421, 0.2757, 0.1459)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D140FF
RGB	209, 64, 255
RGB Percent	82%, 25%, 100%
CMY	0.1802, 0.7492, 0.0000
CMYK	0.18, 0.75, 0.00, 0.00
HSL	286°, 100%, 63%
HSV	286°, 75%, 100%
XYZ	46.1870, 24.4421, 96.8973
YIQ	129.1290, 25.1090, 90.1410

# Conversions

## Conversions Part 2

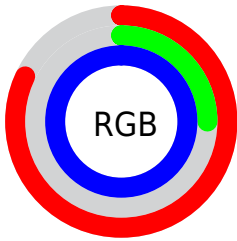
Format	Color
R <sub>Y</sub> B	209, 64, 255
Decimal	13713663
CIE Lab	56.53, 80.48, -67.33
CIE LCh	57, 104.924, 320.084
Yxy	24.4421, 0.2757, 0.1459
Android (android.graphics.Color)	4291903743 (0xFFD140FF)
YUV	129.1290, 62.0544, 70.0469
Hunter-Lab	49.4390, 80.2407, -81.5974

# Details

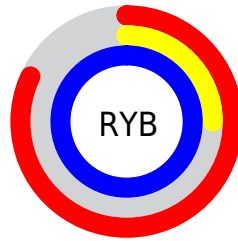
The Yxy color **24.4421, 0.2757, 0.1459** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **75.1987, 0.3184, 0.5554**, and the grayscale version is **21.7664, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1472, 0.3185, 0.2063**, and **10.4208, 0.2597, 0.1204** is the 20% darker color. If you saturate the color by 10%, you get **21.3187, 0.2691, 0.1323**, and if you desaturate by 10%, it is **28.9137, 0.2822, 0.1641**.

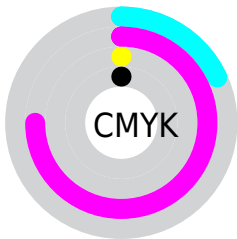
# Distribution



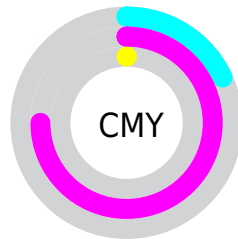
- Red (82%)
- Green (25%)
- Blue (100%)



- Red (82%)
- Yellow (25%)
- Blue (100%)



- Cyan (18%)
- Magenta (75%)
- Yellow (0%)
- Black (0%)




- Cyan (18%)
- Magenta (75%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.4421, 0.2757, 0.1459 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 24.4421, 0.2757, 0.1459 by changing the saturation by 10% instead.





 24.4421, 0.2757,  
0.1459


 24.4421, 0.2757,  
0.1459


275.0480, 0.2997,  
0.2276


 15.6619, 0.2686,  
0.1290


 50.7507, 0.2854,  
0.1730


 9.2852, 0.2591,  
0.1094


 69.0479, 0.2888,  
0.1839


 4.9277, 0.2459,  
0.0868


 91.2861, 0.2915,  
0.1935

 2.2049, 0.2273,  
0.0613

 117.8499, 0.2938,  
0.2020

 0.7227, 0.2002,  
0.0340

 149.1236, 0.2956,  
0.2095

 0.0000, 0.1619,  
0.0000

185.4916, 0.2972,

 0.0000, 0.0984,


0.2162


0.0000


227.3383, 0.2986,  
0.2222

 0.0000, 0.0000,  
0.0000


 24.4421, 0.2757,  
0.1459

 24.4421, 0.2757,  
0.1459


 21.3187, 0.2691,  
0.1323


 28.9137, 0.2822,  
0.1641


 19.3463, 0.2627,  
0.1235


 34.8910, 0.2885,  
0.1861


 18.6441, 0.2595,  
0.1203

 42.5113, 0.2943,  
0.2110

 51.8956, 0.2996,  
0.2375

 63.1534, 0.3042,  
0.2645

 76.3853, 0.3081,  
0.2912

 91.6846, 0.3113,  
0.3169

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.



24.4421, 0.1543, 0.1171



24.4421, 0.2757, 0.1459



24.4421, 0.4597, 0.2053

# Triad

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



24.4421, 0.2757, 0.1459



24.4421, 0.5294, 0.4706



24.4421, 0.0840, 0.2753

# Complementary

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



24.4421, 0.2757, 0.1459



75.1987, 0.3184, 0.5554

# 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.



24.4421, 0.1449, 0.5084



24.4421, 0.2757, 0.1459



24.4421, 0.3970, 0.6030

# Square

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



24.4421, 0.2757, 0.1459



24.4421, 0.6192, 0.3629



24.4421, 0.2601, 0.6683



24.4421, 0.0730, 0.1589



# Rectangle

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



24.4421, 0.2757, 0.1459



24.4421, 0.5718, 0.2555



24.4421, 0.2601, 0.6683



24.4421, 0.0974, 0.3415

# Sweetspot

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



24.4426, 0.2757, 0.1459



66.8106, 0.3054, 0.2724



19.8334, 0.1815, 0.1389



13.5724, 0.3043, 0.2651



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.



24.4426, 0.2757, 0.1459



20.1876, 0.2658, 0.1273



29.4378, 0.3729, 0.2019



18.0673, 0.3099, 0.3053



9.8145, 0.2606, 0.1209



1.0058, 0.2677, 0.1248



# Inverse Universe

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



26.0450, 0.5140, 0.2918



22.5665, 0.5709, 0.2991



73.7718, 0.2874, 0.5199



18.0587, 0.3256, 0.3233



11.3061, 0.5965, 0.3059



1.1171, 0.5652, 0.2887



# Previews

## White Background



This preview shows how the Yxy color 24.4421, 0.2757, 0.1459 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

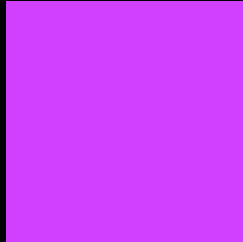
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 24.4421, 0.2757, 0.1459 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

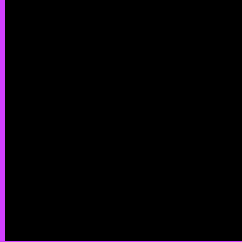
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 24.4421, 0.2757, 0.1459**

## Background



This preview shows how black text looks on a background with the Yxy color 24.4421, 0.2757, 0.1459.

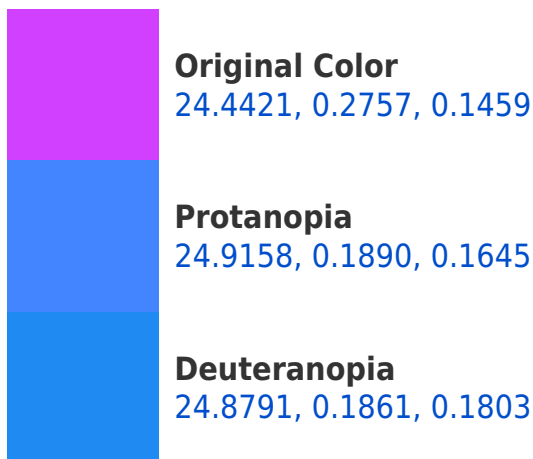


This preview shows how white text looks on a background with the Yxy color 24.4421, 0.2757, 0.1459.

# 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





## Tritanopia

24.1625, 0.4019, 0.3168

# Trichromacy



## Original Color

24.4421, 0.2757, 0.1459



## Protanomaly

21.6573, 0.2065, 0.1446



## Deuteranomaly

20.5711, 0.1972, 0.1486



## Tritanomaly

22.9570, 0.3508, 0.2343

# Monochromacy



## Original Color

24.4421, 0.2757, 0.1459



## Achromatopsia

21.9526, 0.3127, 0.3290



## Achromatomaly

20.4674, 0.2973, 0.2263

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.4421, 0.2757, 0.1459 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(209, 64, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 64, 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(209, 64, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 64, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 24.4421, 0.2757, 0.1459 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(209, 64, 255) }
```

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

```
.border{ border-color:rgb(209, 64, 255) }
```

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

Here you see how a box with a 4 pixel rgb(209, 64, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 64, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 64, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 64,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.4421, 0.2757, 0.1459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 64, 255) }
```

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

```
.background{ background-color: rgb(209, 64,  
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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