

# Converting Colors

$Y_{xy}(25.4878, 0.3030, 0.1668)$

Have a look what the booklet for  
Yxy(25.4878, 0.3030, 0.1668)  
contains.

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**Color**

**Yxy(25.4101, 0.3024, 0.1665)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DA47EB
RGB	218, 71, 235
RGB Percent	85%, 28%, 92%
CMY	0.1453, 0.7213, 0.0785
CMYK	0.07, 0.70, 0.00, 0.08
HSL	294°, 80%, 60%
HSV	294°, 70%, 92%
XYZ	46.1502, 25.4101, 81.0529
YIQ	133.6490, 34.9680, 82.1680

# Conversions

## Conversions Part 2

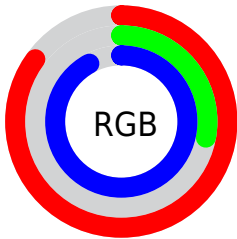
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	218, 71, 235
Decimal	14305259
CIE <sub>Lab</sub>	57.47, 76.30, -54.58
CIE <sub>LCh</sub>	57, 93.810, 324.421
Yxy	25.4101, 0.3024, 0.1665
Android (android.graphics.Color)	4292495339 (0xFFDA47EB)
YUV	133.6490, 49.9660, 73.9758
Hunter-Lab	50.4084, 75.2067, -60.0479

# Details

The Yxy color **25.4101, 0.3024, 0.1665** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **61.9391, 0.3089, 0.5486**, and the grayscale version is **23.5184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7126, 0.3182, 0.2111**, and **10.5853, 0.2942, 0.1395** is the 20% darker color. If you saturate the color by 10%, you get **22.6017, 0.2999, 0.1533**, and if you desaturate by 10%, it is **29.3813, 0.3047, 0.1839**.

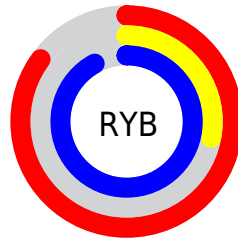
# Distribution



Red (85%)

Green (28%)

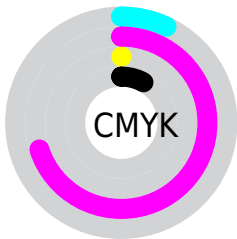
Blue (92%)



Red (85%)

Yellow (28%)

Blue (92%)

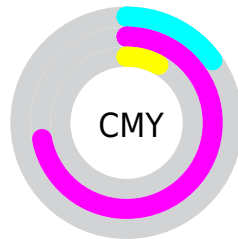


Cyan (7%)

Magenta (70%)

Yellow (0%)

Black (8%)



Cyan (15%)

Magenta (72%)


Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 25.4101, 0.3024, 0.1665 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 25.4101, 0.3024, 0.1665 by changing the saturation by 10% instead.





 25.4101, 0.3024,  
0.1665


 25.4101, 0.3024,  
0.1665


279.8742, 0.3121,  
0.2412


 16.3829, 0.2988,  
0.1503


 52.3217, 0.3069,  
0.1919


 9.7955, 0.2936,  
0.1310


 70.9749, 0.3083,  
0.2020

 5.2636, 0.2857,  
0.1079


 93.6056, 0.3093,  
0.2107

 2.4027, 0.2735,  
0.0805

 120.5980, 0.3102,  
0.2183

 0.8273, 0.2535,  
0.0493

 152.3367, 0.3108,  
0.2251

 0.0000, 0.2234,  
0.0000

189.2061, 0.3113,

 0.0000, 0.1525,

0.2311

0.0000

231.5904, 0.3118,  
0.2364

■ 0.0000, 0.0000,  
0.0000

■ 25.4101, 0.3024,  
0.1665

■ 25.4101, 0.3024,  
0.1665

■ 22.6017, 0.2999,  
0.1533

■ 29.3813, 0.3047,  
0.1839

■ 20.8113, 0.2972,  
0.1446

■ 34.6311, 0.3068,  
0.2049

■ 19.8052, 0.2946,  
0.1397


■ 41.2650, 0.3086,  
0.2285


■ 19.7840, 0.2945,  
0.1396

■ 49.3764, 0.3101,  
0.2536

■ 59.0509, 0.3112,  
0.2794

 70.3673, 0.3121,  
0.3049

 83.3990, 0.3127,  
0.3296

 95.6038, 0.3133,  
0.3490

 96.0278, 0.3149,  
0.3489

# Harmonies

## Analogous

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



25.4101, 0.1803, 0.1341



25.4101, 0.3024, 0.1665



25.4101, 0.4684, 0.2270

# Triad

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



25.4101, 0.3024, 0.1665



25.4101, 0.5047, 0.4876



25.4101, 0.0975, 0.2634

# Complementary

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



25.4101, 0.3024, 0.1665



61.9391, 0.3089, 0.5486

# 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.



25.4101, 0.1513, 0.4538



25.4101, 0.3024, 0.1665



25.4101, 0.3823, 0.5953

# Square

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



25.4101, 0.3024, 0.1665



25.4101, 0.5890, 0.3846



25.4101, 0.2572, 0.6186



25.4101, 0.0895, 0.1662



# Rectangle

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



25.4101, 0.3024, 0.1665



25.4101, 0.5601, 0.2765



25.4101, 0.2572, 0.6186



25.4101, 0.1093, 0.3171

# Sweetspot

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



25.4112, 0.3024, 0.1665



69.4241, 0.3111, 0.2760



14.6835, 0.1830, 0.1263



14.1421, 0.3108, 0.2688



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.



25.4112, 0.3024, 0.1665



26.0753, 0.2987, 0.1487



25.1577, 0.3970, 0.2271



15.2297, 0.3121, 0.3057



11.0460, 0.2949, 0.1398



0.8903, 0.2988, 0.1419



# Inverse Universe

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



22.8796, 0.5257, 0.3143



23.1914, 0.5877, 0.3175



62.4650, 0.2779, 0.4743



15.0795, 0.3277, 0.3266



9.8761, 0.6277, 0.3232



0.7841, 0.6009, 0.3084



# Previews

## White Background



This preview shows how the Yxy color 25.4101, 0.3024, 0.1665 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

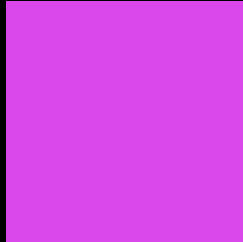
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 25.4101, 0.3024, 0.1665 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

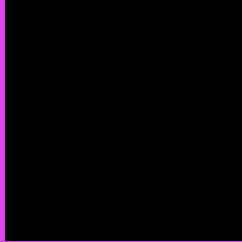
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 25.4101, 0.3024, 0.1665**

## Background



This preview shows how black text looks on a background with the Yxy color 25.4101, 0.3024, 0.1665.



This preview shows how white text looks on a background with the Yxy color 25.4101, 0.3024, 0.1665.

# 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

25.4101, 0.3024, 0.1665

### Protanopia

26.0438, 0.1926, 0.1694

### Deuteranopia

25.8733, 0.2102, 0.2044



## Tritanopia

25.1564, 0.4245, 0.3190

# Trichromacy



## Original Color

25.4101, 0.3024, 0.1665



## Protanomaly

22.8777, 0.2158, 0.1568



## Deuteranomaly

22.7870, 0.2326, 0.1766



## Tritanomaly

24.3488, 0.3758, 0.2498

# Monochromacy



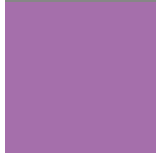
## Original Color

25.4101, 0.3024, 0.1665



## Achromatopsia

23.8398, 0.3127, 0.3290



## Achromatomaly

22.3085, 0.3097, 0.2420

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 25.4101, 0.3024, 0.1665 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(218, 71, 235)` looks like.

```
.text, #text, p{  
    color:rgb(218, 71, 235)  
}
```

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(218, 71, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 71, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 25.4101, 0.3024, 0.1665 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(218, 71, 235) }
```

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

```
.border{ border-color:rgb(218, 71, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 71, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 71, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 71, 235);  
box-shadow:4px 4px 4px 4px rgb(218, 71,  
235) }
```



# Background

The CSS property to change the background color of an element to Yxy 25.4101, 0.3024, 0.1665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 71, 235) }
```

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

```
.background{ background-color: rgb(218, 71,  
235) }
```

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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