

# Converting Colors

$Y_{xy}(25.1929, 0.2886, 0.1468)$

Have a look what the booklet for  
Yxy(25.1929, 0.2886, 0.1468)  
contains.

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# Color

**Yxy(25.2756, 0.2891, 0.1471)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DF33FF
RGB	223, 51, 255
RGB Percent	87%, 20%, 100%
CMY	0.1253, 0.8003, 0.0000
CMYK	0.13, 0.80, 0.00, 0.00
HSL	291°, 100%, 60%
HSV	291°, 80%, 100%
XYZ	49.6749, 25.2756, 96.8755
YIQ	125.6840, 37.0280, 99.9080

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 51, 255
Decimal	14627839
CIE Lab	57.34, 86.62, -65.91
CIE LCh	57, 108.840, 322.733
Yxy	25.2756, 0.2891, 0.1471
Android (android.graphics.Color)	4292817919 (0xFFDF33FF)
YUV	125.6840, 63.7528, 85.3461
Hunter-Lab	50.2748, 88.3889, -79.0546

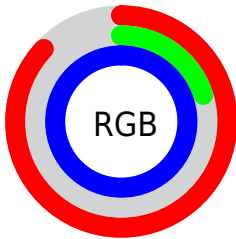
# Details

The Yxy color **25.2756, 0.2891, 0.1471** is a light color, and the websafe version is hex **CC33FF**.

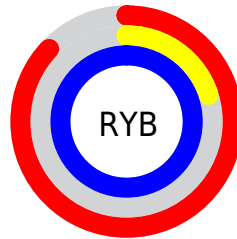
The color can be described as light washed magenta. A complement of this color would be **73.5926, 0.3101, 0.5717**, and the grayscale version is **20.5123, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4369, 0.3187, 0.2008**, and **11.8177, 0.2774, 0.1302** is the 20% darker color. If you saturate the color by 10%, you get **23.0011, 0.2849, 0.1376**, and if you desaturate by 10%, it is **28.7851, 0.2932, 0.1612**.

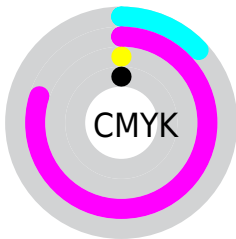
# Distribution



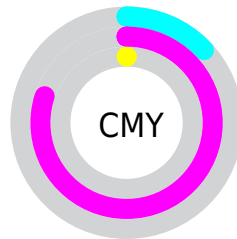
- Red (87%)
- Green (20%)
- Blue (100%)



- Red (87%)
- Yellow (20%)
- Blue (100%)



- Cyan (13%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)




- Cyan (13%)
- Magenta (80%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 25.2756, 0.2891, 0.1471 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 25.2756, 0.2891, 0.1471 by changing the saturation by 10% instead.





 25.2756, 0.2891,  
0.1471


 25.2756, 0.2891,  
0.1471


279.2077, 0.3065,  
0.2277


 16.2825, 0.2836,  
0.1305


 52.1040, 0.2964,  
0.1738


 9.7243, 0.2759,  
0.1113


 70.7080, 0.2989,  
0.1845

 5.2165, 0.2652,  
0.0890


 93.2846, 0.3009,  
0.1940

 2.3749, 0.2495,  
0.0638

 120.2179, 0.3025,  
0.2023

 0.8129, 0.2260,  
0.0368

 151.8925, 0.3038,  
0.2098

 0.0000, 0.1922,  
0.0000

188.6927, 0.3048,

 0.0000, 0.1351,

0.2164

0.0000

231.0030, 0.3057,  
0.2223

■ 0.0000, 0.0000,  
0.0000

■ 25.2756, 0.2891,  
0.1471

■ 25.2756, 0.2891,  
0.1471

■ 23.0011, 0.2849,  
0.1376

■ 28.7851, 0.2932,  
0.1612

■ 21.6766, 0.2808,  
0.1321

■ 33.7030, 0.2972,  
0.1796

■ 40.1766, 0.3008,  
0.2015

■ 48.3338, 0.3041,  
0.2260

■ 58.2896, 0.3069,  
0.2519

70.1484, 0.3093,  
0.2782

84.0070, 0.3112,  
0.3041

99.9553, 0.3127,  
0.3289

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.



25.2756, 0.1595, 0.1154



25.2756, 0.2891, 0.1471



25.2756, 0.4801, 0.2092

# Triad

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



25.2756, 0.2891, 0.1471



25.2756, 0.5193, 0.4807



25.2756, 0.0779, 0.2578

# Complementary

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



25.2756, 0.2891, 0.1471



73.5926, 0.3101, 0.5717

# 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.



25.2756, 0.1329, 0.4897



25.2756, 0.2891, 0.1471



25.2756, 0.3825, 0.6175

# Square

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



25.2756, 0.2891, 0.1471



25.2756, 0.6187, 0.3688



25.2756, 0.2452, 0.6742



25.2756, 0.0706, 0.1497



# Rectangle

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



25.2756, 0.2891, 0.1471



25.2756, 0.5892, 0.2601



25.2756, 0.2452, 0.6742



25.2756, 0.0895, 0.3213

# Sweetspot

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



25.2761, 0.2891, 0.1471



65.2018, 0.3084, 0.2677



14.4103, 0.1700, 0.1081



13.0630, 0.3075, 0.2583



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.



25.2761, 0.2891, 0.1471



22.1411, 0.2825, 0.1340



27.2087, 0.4010, 0.2123



18.1478, 0.3113, 0.3054



11.3806, 0.2815, 0.1324



1.1451, 0.2863, 0.1351



# Inverse Universe

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



24.2447, 0.5585, 0.3079



21.6993, 0.6122, 0.3171



73.5529, 0.2819, 0.5125



18.0334, 0.3270, 0.3253



11.2023, 0.6184, 0.3180



1.1035, 0.5910, 0.3029



# Previews

## White Background



This preview shows how the Yxy color 25.2756, 0.2891, 0.1471 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

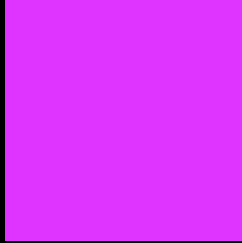
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 25.2756, 0.2891, 0.1471 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

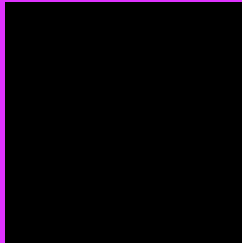
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 25.2756, 0.2891, 0.1471**

## **Background**



This preview shows how black text looks on a background with the Yxy color 25.2756, 0.2891, 0.1471.



This preview shows how white text looks on a background with the Yxy color 25.2756, 0.2891, 0.1471.

# 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

25.2756, 0.2891, 0.1471

### Protanopia

25.6479, 0.1913, 0.1677

### Deuteranopia

25.7852, 0.1909, 0.1853



## Tritanopia

24.9652, 0.4307, 0.3192

# Trichromacy



## Original Color

25.2756, 0.2891, 0.1471



## Protanomaly

21.6327, 0.2110, 0.1437



## Deuteranomaly

20.8897, 0.2067, 0.1499



## Tritanomaly

23.6035, 0.3743, 0.2354

# Monochromacy



## Original Color

25.2756, 0.2891, 0.1471



## Achromatopsia

20.8637, 0.3127, 0.3290



## Achromatomaly

19.5179, 0.3030, 0.2215

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 25.2756, 0.2891, 0.1471 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(223, 51, 255)` looks like.

```
.text, #text, p{  
  color:rgb(223, 51, 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(223, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 51, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 25.2756, 0.2891, 0.1471 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(223, 51, 255) }
```

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

```
.border{ border-color:rgb(223, 51, 255) }
```

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

Here you see how a box with a 4 pixel rgb(223, 51, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 51,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 25.2756, 0.2891, 0.1471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 51, 255) }
```

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

```
.background{ background-color: rgb(223, 51,  
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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