

# Converting Colors

$Y_{xy}(25.4970, 0.3838, 0.1888)$

Have a look what the booklet for  
Yxy(25.4970, 0.3838, 0.1888)  
contains.

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**Color**

**Yxy(25.4770, 0.3844, 0.1891)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF00C9
RGB	255, 0, 201
RGB Percent	100%, 0%, 79%
CMY	0.0000, 1.0000, 0.2117
CMYK	0.00, 1.00, 0.21, 0.00
HSL	313°, 100%, 50%
HSV	313°, 100%, 100%
XYZ	51.7893, 25.4770, 57.4613
YIQ	99.1590, 87.4590, 116.5710

# Conversions

## Conversions Part 2

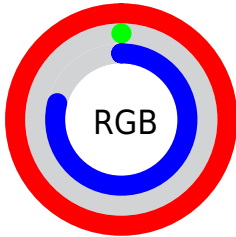
Format	Color
<b>R<sub>YB</sub></b>	255, 0, 201
Decimal	16711881
CIE <sub>Lab</sub>	57.54, 91.41, -34.83
CIE <sub>LCh</sub>	58, 97.827, 339.140
Yxy	25.4770, 0.3844, 0.1891
Android (android.graphics.Color)	4294901961 (0xFFFF00C9)
YUV	99.1590, 50.2076, 136.6726
Hunter-Lab	50.4747, 94.8181, -32.1645

# Details

The Yxy color **25.4770, 0.3844, 0.1891** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **71.7861, 0.2946, 0.5806**, and the grayscale version is **12.3748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1805, 0.3192, 0.1900**, and **13.4440, 0.3924, 0.1935** is the 20% darker color. If you saturate the color by 10%, you get **25.4782, 0.3844, 0.1891**, and if you desaturate by 10%, it is **26.4536, 0.3765, 0.1886**.

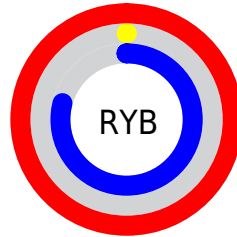
# Distribution



Red (100%)

Green (0%)

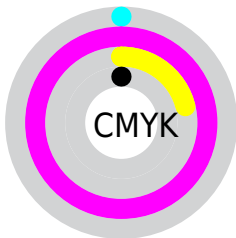
Blue (79%)



Red (100%)

Yellow (0%)

Blue (79%)

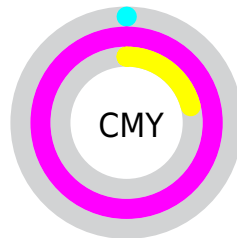


Cyan (0%)

Magenta (100%)

Yellow (21%)

Black (0%)



Cyan (0%)

Magenta (100%)

Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 25.4770, 0.3844, 0.1891 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 25.4770, 0.3844, 0.1891 by changing the saturation by 10% instead.





 25.4770, 0.3844,  
0.1891


 25.4770, 0.3844,  
0.1891


280.2052, 0.3500,  
0.2555


 16.4328, 0.3924,  
0.1740


 52.4300, 0.3723,  
0.2122


 9.8309, 0.4022,  
0.1555


 71.1076, 0.3677,  
0.2212

 5.2870, 0.4144,  
0.1326


 93.7651, 0.3637,  
0.2289

 2.4166, 0.4300,  
0.1040

 120.7869, 0.3602,  
0.2356

 0.8344, 0.4498,  
0.0688

 152.5574, 0.3572,  
0.2415

 0.0000, 0.4880,  
0.0000

189.4611, 0.3545,

 0.0000, 0.4972,

0.2467


0.0000


231.8822, 0.3522,  
0.2513


 0.0000, 0.0000,  
0.0000


 25.4770, 0.3844,  
0.1891


 25.4770, 0.3844,  
0.1891


 25.4782, 0.3844,  
0.1891

 26.4536, 0.3765,  
0.1886

 28.3720, 0.3682,  
0.1924

 31.5191, 0.3597,  
0.2010

 36.0697, 0.3513,  
0.2138

 42.1703, 0.3431,  
0.2301

■ 49.9491, 0.3356,  
0.2487

■ 59.5207, 0.3287,  
0.2687

■ 70.9898, 0.3226,  
0.2892

■ 84.4529, 0.3173,  
0.3095

# Harmonies

## Analogous

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



25.4770, 0.2294, 0.1415



25.4770, 0.3844, 0.1891



25.4770, 0.5488, 0.2600

# Triad

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



25.4770, 0.3844, 0.1891



25.4770, 0.4480, 0.5481



25.4770, 0.0837, 0.2001

# Complementary

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



25.4770, 0.3844, 0.1891



71.7861, 0.2946, 0.5806

# 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.



25.4770, 0.1117, 0.3497



25.4770, 0.3844, 0.1891



25.4770, 0.3167, 0.6383

# Square

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



25.4770, 0.3844, 0.1891



25.4770, 0.5599, 0.4309



25.4770, 0.1948, 0.5689



25.4770, 0.0928, 0.1385



# Rectangle

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



25.4770, 0.3844, 0.1891



25.4770, 0.6059, 0.3115



25.4770, 0.1948, 0.5689



25.4770, 0.0881, 0.2378

# Sweetspot

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



25.4782, 0.3844, 0.1891



59.5207, 0.3287, 0.2687



7.9238, 0.1586, 0.0647



11.8278, 0.3315, 0.2602



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.



25.4782, 0.3844, 0.1891



21.7888, 0.5811, 0.2975



18.2306, 0.3171, 0.3105



13.3357, 0.3831, 0.1884



1.3141, 0.3746, 0.1837

# Inverse Universe

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



25.4782, 0.3844, 0.1891



74.7545, 0.2533, 0.4319



18.2306, 0.3171, 0.3105



13.3357, 0.3831, 0.1884



1.3141, 0.3746, 0.1837

# Previews

## White Background



This preview shows how the Yxy color 25.4770, 0.3844, 0.1891 looks on a white background.

## Color Contrast Check

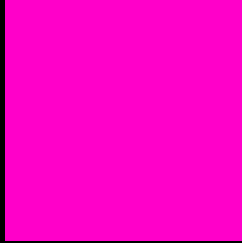
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.4770, 0.3844, 0.1891 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 25.4770, 0.3844, 0.1891**

## **Background**



This preview shows how black text looks on a background with the Yxy color 25.4770, 0.3844, 0.1891.



This preview shows how white text looks on a background with the Yxy color 25.4770, 0.3844, 0.1891.



# 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

25.4770, 0.3844, 0.1891

### Protanopia

26.4480, 0.1941, 0.1711

### Deuteranopia

25.8821, 0.2558, 0.2500



## Tritanopia

25.8093, 0.5355, 0.3263

# Trichromacy



## Original Color

25.4770, 0.3844, 0.1891



## Protanomaly

18.5653, 0.2296, 0.1442



## Deuteranomaly

19.4373, 0.2943, 0.1904



## Tritanomaly

23.9273, 0.4889, 0.2660

# Monochromacy



## Original Color

25.4770, 0.3844, 0.1891



## Achromatopsia

12.4772, 0.3127, 0.3290



## Achromatomaly

12.4005, 0.3499, 0.2177

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 25.4770, 0.3844, 0.1891 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(255, 0, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 201)  
}
```

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(255, 0, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 25.4770, 0.3844, 0.1891 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(255, 0, 201) }
```

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

```
.border{ border-color:rgb(255, 0, 201) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
201) }
```

# Background

The CSS property to change the background color of an element to Yxy 25.4770, 0.3844, 0.1891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 201) }
```

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

```
.background{ background-color: rgb(255, 0,  
201) }
```

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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