

# Converting Colors

$Y_{xy}(26.6915, 0.4193, 0.2235)$

Have a look what the booklet for  
Yxy(26.6915, 0.4193, 0.2235)  
contains.

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**Color**

**Yxy(26.6836, 0.4196, 0.2237)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF33AE
RGB	255, 51, 174
RGB Percent	100%, 20%, 68%
CMY	0.0002, 0.7996, 0.3177
CMYK	0.00, 0.80, 0.32, 0.00
HSL	324°, 100%, 60%
HSV	324°, 80%, 100%
XYZ	50.0511, 26.6836, 42.5482
YIQ	126.0180, 82.1010, 81.5010

# Conversions

## Conversions Part 2

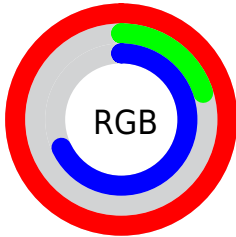
Format	Color
R <sub>Y</sub> B	255, 51, 174
Decimal	16724910
CIE Lab	58.68, 81.87, -17.46
CIE LCh	59, 83.708, 347.961
Yxy	26.6836, 0.4196, 0.2237
Android (android.graphics.Color)	4294914990 (0xFFFF33AE)
YUV	126.0180, 23.6551, 113.1172
Hunter-Lab	51.6562, 82.5554, -12.6768

# Details

The Yxy color **26.6836, 0.4196, 0.2237** is a light color, and the websafe version is hex **FF0099**. The color can be described as light washed rose. A complement of this color would be **73.8687, 0.2769, 0.4954**, and the grayscale version is **20.7860, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4061, 0.3419, 0.2220**, and **12.7426, 0.4415, 0.2206** is the 20% darker color. If you saturate the color by 10%, you get **24.6492, 0.4381, 0.2237**, and if you desaturate by 10%, it is **29.9707, 0.4011, 0.2289**.

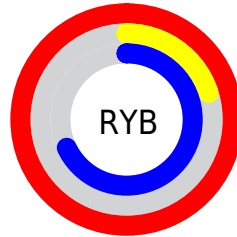
# Distribution



Red (100%)

Green (20%)

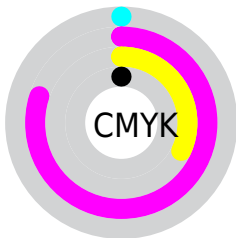
Blue (68%)



Red (100%)

Yellow (20%)

Blue (68%)

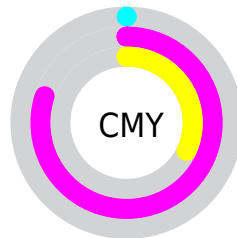


Cyan (0%)

Magenta (80%)

Yellow (32%)

Black (0%)



Cyan (0%)

Magenta (80%)


Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.6836, 0.4196, 0.2237 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 26.6836, 0.4196, 0.2237 by changing the saturation by 10% instead.




 26.6836, 0.4196,  
0.2237


 26.6836, 0.4196,  
0.2237

286.1219, 0.3642,  
0.2762


 17.3357, 0.4339,  
0.2109


 54.3757, 0.3991,  
0.2426


 10.4742, 0.4525,  
0.1946


 73.4888, 0.3915,  
0.2498

 5.7145, 0.4775,  
0.1736


 96.6257, 0.3851,  
0.2558

 2.6722, 0.5127,  
0.1455

 124.1709, 0.3797,  
0.2611

 0.9631, 0.5650,  
0.1073

 156.5087, 0.3750,  
0.2656

 0.0000, 0.6859,  
0.0000

194.0235, 0.3709,


 0.0000, 1.0000,


0.2695

0.0000

237.0998, 0.3673,  
0.2730


 0.0000, 0.0000,  
0.0000


 26.6836, 0.4196,  
0.2237

 26.6836, 0.4196,  
0.2237


 24.6492, 0.4381,  
0.2237


 29.9707, 0.4011,  
0.2289

 23.5788, 0.4560,  
0.2286

 34.6813, 0.3835,  
0.2386

 23.5746, 0.4561,  
0.2286

 40.9638, 0.3673,  
0.2515

 48.9466, 0.3528,  
0.2664

 58.7449, 0.3402,  
0.2823

70.4636, 0.3294,  
0.2984

84.1998, 0.3203,  
0.3141

99.9922, 0.3127,  
0.3290

# Harmonies

## Analogous

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



26.6836, 0.2767, 0.1714



26.6836, 0.4196, 0.2237



26.6836, 0.5424, 0.2940

# Triad

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



26.6836, 0.4196, 0.2237



26.6836, 0.4109, 0.5555



26.6836, 0.1053, 0.1966

# Complementary

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



26.6836, 0.4196, 0.2237



73.8687, 0.2769, 0.4954

# 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.



26.6836, 0.1232, 0.3040



26.6836, 0.4196, 0.2237



26.6836, 0.2945, 0.5899

# Square

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



26.6836, 0.4196, 0.2237



26.6836, 0.5141, 0.4616



26.6836, 0.1879, 0.4768



26.6836, 0.1224, 0.1522



# Rectangle

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



26.6836, 0.4196, 0.2237



26.6836, 0.5738, 0.3450



26.6836, 0.1879, 0.4768



26.6836, 0.1070, 0.2240

# Sweetspot

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



26.6851, 0.4196, 0.2237



65.5066, 0.3336, 0.2919



14.2819, 0.2046, 0.1032



13.1398, 0.3375, 0.2861



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.



26.6851, 0.4196, 0.2237



23.9417, 0.4490, 0.2263



24.1363, 0.5687, 0.3142



18.1710, 0.3199, 0.3148



12.3530, 0.4533, 0.2271



1.2243, 0.4340, 0.2165



# Inverse Universe

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



26.6851, 0.4196, 0.2237



23.9417, 0.4490, 0.2263



77.9799, 0.2370, 0.3583



18.1710, 0.3199, 0.3148



12.3530, 0.4533, 0.2271



1.2243, 0.4340, 0.2165



# Previews

## White Background



This preview shows how the Yxy color 26.6836, 0.4196, 0.2237 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

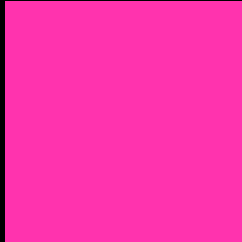
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 26.6836, 0.4196, 0.2237 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 26.6836, 0.4196, 0.2237**

## Background



This preview shows how black text looks on a background with the Yxy color 26.6836, 0.4196, 0.2237.



This preview shows how white text looks on a background with the Yxy color 26.6836, 0.4196, 0.2237.

# 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

26.6836, 0.4196, 0.2237

### Protanopia

26.9999, 0.2130, 0.1945

### Deuteranopia

26.8410, 0.2956, 0.2898



## Tritanopia

26.6805, 0.5338, 0.3263

# Trichromacy



## Original Color

26.6836, 0.4196, 0.2237



## Protanomaly

22.3813, 0.2621, 0.1877



## Deuteranomaly

23.4124, 0.3385, 0.2466



## Tritanomaly

26.1739, 0.4973, 0.2881

# Monochromacy



## Original Color

26.6836, 0.4196, 0.2237



## Achromatopsia

20.8637, 0.3127, 0.3290



## Achromatomaly

19.7911, 0.3561, 0.2644

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.6836, 0.4196, 0.2237 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, 51, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 174)  
}
```

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, 51, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 26.6836, 0.4196, 0.2237 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, 51, 174) }
```

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

```
.border{ border-color:rgb(255, 51, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 51, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
174) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.6836, 0.4196, 0.2237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 174) }
```

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

```
.background{ background-color: rgb(255, 51,  
174) }
```

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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