

# Converting Colors

$Y_{xy}(26.7162, 0.4185, 0.2230)$

Have a look what the booklet for  
Yxy(26.7162, 0.4185, 0.2230)  
contains.

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# Color

**Yxy(26.7228, 0.4182, 0.2228)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF33AF
RGB	255, 51, 175
RGB Percent	100%, 20%, 69%
CMY	0.0000, 0.7999, 0.3138
CMYK	0.00, 0.80, 0.31, 0.00
HSL	324°, 100%, 60%
HSV	324°, 80%, 100%
XYZ	50.1592, 26.7228, 43.0587
YIQ	126.1320, 81.7800, 81.8120

# Conversions

## Conversions Part 2

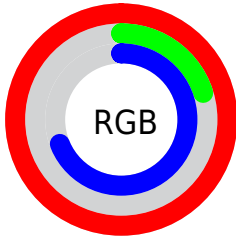
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 51, 175
Decimal	16724911
CIE <sub>Lab</sub>	58.72, 82.00, -17.98
CIE <sub>LCh</sub>	59, 83.948, 347.633
Yxy	26.7228, 0.4182, 0.2228
Android (android.graphics.Color)	4294914991 (0xFFFF33AF)
YUV	126.1320, 24.0919, 113.0172
Hunter-Lab	51.6941, 82.7354, -13.1999

# Details

The Yxy color **26.7228, 0.4182, 0.2228** 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 **73.8638, 0.2773, 0.4968**, and the grayscale version is **20.8120, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4625, 0.3409, 0.2211**, and **12.7426, 0.4415, 0.2206** is the 20% darker color. If you saturate the color by 10%, you get **24.6934, 0.4364, 0.2227**, and if you desaturate by 10%, it is **30.0040, 0.4000, 0.2281**.

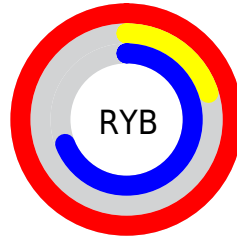
# Distribution



Red (100%)

Green (20%)

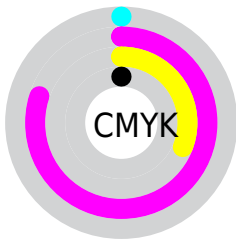
Blue (69%)



Red (100%)

Yellow (20%)

Blue (69%)

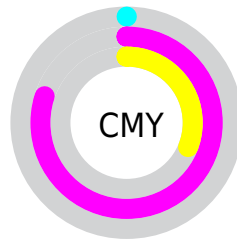


Cyan (0%)

Magenta (80%)

Yellow (31%)

Black (0%)



Cyan (0%)

Magenta (80%)

Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.7228, 0.4182, 0.2228 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 26.7228, 0.4182, 0.2228 by changing the saturation by 10% instead.




 26.7228, 0.4182,  
0.2228


 26.7228, 0.4182,  
0.2228


286.3125, 0.3636,  
0.2756


 17.3651, 0.4323,  
0.2099


 54.4387, 0.3980,  
0.2418


 10.4952, 0.4505,  
0.1936


 73.5658, 0.3905,  
0.2490


 5.7285, 0.4750,  
0.1726


 96.7181, 0.3842,  
0.2551

 2.6807, 0.5095,  
0.1445

 124.2801, 0.3789,  
0.2604

 0.9674, 0.5605,  
0.1064

 156.6361, 0.3743,  
0.2649

 0.0000, 0.6784,  
0.0000


194.1706, 0.3703,

 0.0000, 1.0000,

0.2689

0.0000

237.2679, 0.3667,  
0.2725

 0.0000, 0.0000,  
0.0000


 26.7228, 0.4182,  
0.2228

 26.7228, 0.4182,  
0.2228


 24.6934, 0.4364,  
0.2227


 30.0040, 0.4000,  
0.2281


 23.6258, 0.4541,  
0.2275


 34.7079, 0.3827,  
0.2378


 23.6247, 0.4541,  
0.2275

 40.9831, 0.3667,  
0.2508

 48.9581, 0.3524,  
0.2658

 58.7481, 0.3399,  
0.2818

 70.4581, 0.3293,  
0.2981

 84.1851, 0.3203,  
0.3139

99.9997, 0.3127,  
0.3290

# Harmonies

## Analogous

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



26.7228, 0.2752, 0.1707



26.7228, 0.4182, 0.2228



26.7228, 0.5420, 0.2931

# Triad

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



26.7228, 0.4182, 0.2228



26.7228, 0.4121, 0.5550



26.7228, 0.1050, 0.1971

# Complementary

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



26.7228, 0.4182, 0.2228



73.8638, 0.2773, 0.4968

# 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.



26.7228, 0.1233, 0.3055



26.7228, 0.4182, 0.2228



26.7228, 0.2956, 0.5909

# Square

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



26.7228, 0.4182, 0.2228



26.7228, 0.5153, 0.4606



26.7228, 0.1886, 0.4791



26.7228, 0.1217, 0.1522



# Rectangle

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



26.7228, 0.4182, 0.2228



26.7228, 0.5742, 0.3440



26.7228, 0.1886, 0.4791



26.7228, 0.1068, 0.2248

# Sweetspot

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



26.7243, 0.4182, 0.2228



65.5235, 0.3333, 0.2916



14.2746, 0.2045, 0.1031



13.1438, 0.3372, 0.2858



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.



26.7243, 0.4182, 0.2228



23.9831, 0.4470, 0.2252



24.1357, 0.5688, 0.3142



18.1726, 0.3199, 0.3147



12.3748, 0.4513, 0.2260



1.2264, 0.4323, 0.2155



# Inverse Universe

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



26.7243, 0.4182, 0.2228



23.9831, 0.4470, 0.2252



78.0046, 0.2370, 0.3584



18.1726, 0.3199, 0.3147



12.3748, 0.4513, 0.2260



1.2264, 0.4323, 0.2155



# Previews

## White Background



This preview shows how the Yxy color 26.7228, 0.4182, 0.2228 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 26.7228, 0.4182, 0.2228 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 26.7228, 0.4182, 0.2228**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.7228, 0.4182, 0.2228.

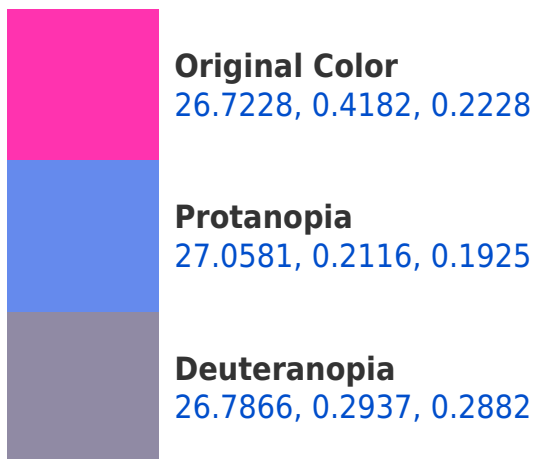


This preview shows how white text looks on a background with the Yxy color 26.7228, 0.4182, 0.2228.

# 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

26.6965, 0.5325, 0.3254

# Trichromacy



## Original Color

26.7228, 0.4182, 0.2228



## Protanomaly

22.3312, 0.2604, 0.1864



## Deuteranomaly

23.3256, 0.3361, 0.2451



## Tritanomaly

26.1976, 0.4958, 0.2871

# Monochromacy



## Original Color

26.7228, 0.4182, 0.2228



## Achromatopsia

20.8637, 0.3127, 0.3290



## Achromatomaly

19.8215, 0.3547, 0.2630

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.7228, 0.4182, 0.2228 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, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 175)  
}
```

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, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 26.7228, 0.4182, 0.2228 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, 175) }
```

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

```
.border{ border-color:rgb(255, 51, 175) }
```

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, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
175) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.7228, 0.4182, 0.2228 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, 175) }
```

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

```
.background{ background-color: rgb(255, 51,  
175) }
```

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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