

# Converting Colors

$Y_{xy}(26.4241, 0.4077, 0.2127)$

Have a look what the booklet for  
Yxy(26.4241, 0.4077, 0.2127)  
contains.

<b>Yxy(26.4067, 0.4075, 0.2125)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(26.4067, 0.4075, 0.2125)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF2BB7
RGB	255, 43, 183
RGB Percent	100%, 17%, 72%
CMY	0.0002, 0.8308, 0.2824
CMYK	0.00, 0.83, 0.28, 0.00
HSL	320°, 100%, 58%
HSV	320°, 83%, 100%
XYZ	50.6387, 26.4067, 47.2214
YIQ	122.3480, 81.4120, 88.4840

# Conversions

## Conversions Part 2

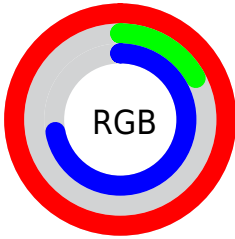
Format	Color
R <sub>Y</sub> B	255, 43, 183
Decimal	16722871
CIE Lab	58.42, 84.56, -23.08
CIE LCh	58, 87.650, 344.736
Yxy	26.4067, 0.4075, 0.2125
Android (android.graphics.Color)	4294912951 (0xFFFF2BB7)
YUV	122.3480, 29.9014, 116.3358
Hunter-Lab	51.3874, 85.9712, -18.5121

# Details

The Yxy color **26.4067, 0.4075, 0.2125** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **73.2502, 0.2818, 0.5181**, and the grayscale version is **19.4844, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.7535, 0.3336, 0.2106**, and **12.9492, 0.4251, 0.2115** is the 20% darker color. If you saturate the color by 10%, you get **24.7418, 0.4224, 0.2128**, and if you desaturate by 10%, it is **29.2534, 0.3923, 0.2174**.

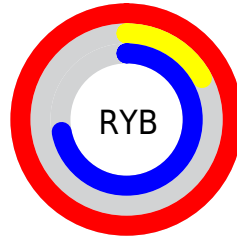
# Distribution



Red (100%)

Green (17%)

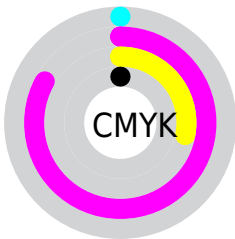
Blue (72%)



Red (100%)

Yellow (17%)

Blue (72%)

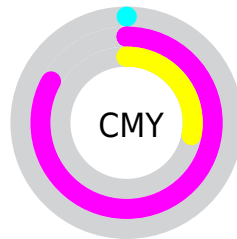


Cyan (0%)

Magenta (83%)

Yellow (28%)

Black (0%)



Cyan (0%)

Magenta (83%)

Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.4067, 0.4075, 0.2125 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 26.4067, 0.4075, 0.2125 by changing the saturation by 10% instead.





 26.4067, 0.4075,  
0.2125


 26.4067, 0.4075,  
0.2125


284.7729, 0.3593,  
0.2696

 17.1281, 0.4196,  
0.1989


 53.9303, 0.3899,  
0.2328


 10.3259, 0.4352,  
0.1818


 72.9442, 0.3833,  
0.2406

 5.6156, 0.4559,  
0.1601


 95.9719, 0.3777,  
0.2472

 2.6128, 0.4843,  
0.1317

 123.3980, 0.3730,  
0.2529

 0.9331, 0.5252,  
0.0942

 155.6067, 0.3688,  
0.2579

 0.0000, 0.6156,  
0.0000

192.9825, 0.3653,

 0.0000, 0.7954,

0.2622

0.0000

235.9097, 0.3621,  
0.2661

■ 0.0000, 0.0000,  
0.0000

■ 26.4067, 0.4075,  
0.2125

■ 26.4067, 0.4075,  
0.2125

■ 24.7418, 0.4224,  
0.2128

■ 29.2534, 0.3923,  
0.2174

■ 24.0917, 0.4325,  
0.2156

■ 33.4649, 0.3776,  
0.2268

■ 39.1967, 0.3637,  
0.2400

■ 46.5822, 0.3510,  
0.2556

■ 55.7399, 0.3398,  
0.2726

 66.7777, 0.3300,  
0.2901

 79.7945, 0.3217,  
0.3074

 94.8825, 0.3147,  
0.3240

99.9921, 0.3127,  
0.3290

# Harmonies

## Analogous

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



26.4067, 0.2608, 0.1619



26.4067, 0.4075, 0.2125



26.4067, 0.5433, 0.2829

# Triad

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



26.4067, 0.4075, 0.2125



26.4067, 0.4235, 0.5530



26.4067, 0.0988, 0.1987

# Complementary

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



26.4067, 0.4075, 0.2125



73.2502, 0.2818, 0.5181

# 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.



26.4067, 0.1206, 0.3185



26.4067, 0.4075, 0.2125



26.4067, 0.3036, 0.6063

# Square

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



26.4067, 0.4075, 0.2125



26.4067, 0.5288, 0.4517



26.4067, 0.1917, 0.5050



26.4067, 0.1129, 0.1486



# Rectangle

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



26.4067, 0.4075, 0.2125



26.4067, 0.5830, 0.3341



26.4067, 0.1917, 0.5050



26.4067, 0.1016, 0.2292

# Sweetspot

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



26.4081, 0.4075, 0.2125



64.5334, 0.3318, 0.2867



12.5151, 0.1927, 0.0934



12.9634, 0.3352, 0.2806



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.



26.4081, 0.4075, 0.2125



24.1006, 0.4325, 0.2156



23.5461, 0.5679, 0.3075



18.1893, 0.3190, 0.3134



12.6222, 0.4302, 0.2143



1.2494, 0.4145, 0.2057



# Inverse Universe

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



26.4081, 0.4075, 0.2125



24.1006, 0.4325, 0.2156



77.1590, 0.2403, 0.3736



18.1893, 0.3190, 0.3134



12.6222, 0.4302, 0.2143



1.2494, 0.4145, 0.2057



# Previews

## White Background



This preview shows how the Yxy color 26.4067, 0.4075, 0.2125 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

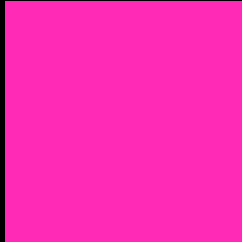
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 26.4067, 0.4075, 0.2125 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

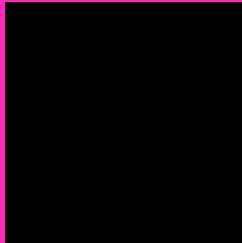
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 26.4067, 0.4075, 0.2125**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.4067, 0.4075, 0.2125.



This preview shows how white text looks on a background with the Yxy color 26.4067, 0.4075, 0.2125.

# 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

26.4067, 0.4075, 0.2125

### Protanopia

26.8826, 0.1992, 0.1768

### Deuteranopia

26.6445, 0.2815, 0.2759



## Tritanopia

26.4972, 0.5331, 0.3262

# Trichromacy



## Original Color

26.4067, 0.4075, 0.2125



## Protanomaly

21.4874, 0.2429, 0.1695



## Deuteranomaly

22.8590, 0.3232, 0.2320



## Tritanomaly

25.9040, 0.4926, 0.2820

# Monochromacy



## Original Color

26.4067, 0.4075, 0.2125



## Achromatopsia

19.4618, 0.3127, 0.3290



## Achromatomaly

18.3884, 0.3521, 0.2536

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.4067, 0.4075, 0.2125 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, 43, 183)` looks like.

```
.text, #text, p{  
    color:rgb(255, 43, 183)  
}
```

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, 43, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 43, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 26.4067, 0.4075, 0.2125 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, 43, 183) }
```

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

```
.border{ border-color:rgb(255, 43, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 43, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 43, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 43, 183);  
box-shadow:4px 4px 4px 4px rgb(255, 43,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.4067, 0.4075, 0.2125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 43, 183) }
```

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

```
.background{ background-color: rgb(255, 43,  
183) }
```

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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