

# Converting Colors

$Y_{xy}(26.2612, 0.4247, 0.2574)$

Have a look what the booklet for  
Yxy(26.2612, 0.4247, 0.2574)  
contains.

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# Color

**Yxy(26.2864, 0.4245, 0.2574)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EC5398
RGB	236, 83, 152
RGB Percent	93%, 33%, 60%
CMY	0.0745, 0.6745, 0.4040
CMYK	0.00, 0.65, 0.36, 0.07
HSL	333°, 80%, 63%
HSV	333°, 65%, 93%
XYZ	43.3511, 26.2864, 32.4853
YIQ	136.6130, 69.0390, 53.8950

# Conversions

## Conversions Part 2

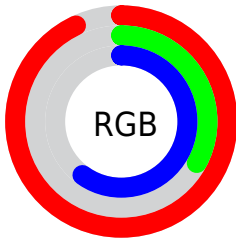
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	236, 83, 152
Decimal	15487896
CIE Lab	58.31, 64.59, -5.52
CIE LCh	58, 64.822, 355.112
Yxy	26.2864, 0.4245, 0.2574
Android (android.graphics.Color)	4293677976 (0xFFEC5398)
YUV	136.6130, 7.5858, 87.1624
Hunter-Lab	51.2703, 61.2061, -1.6774

# Details

The Yxy color **26.2864, 0.4245, 0.2574** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **64.6213, 0.2666, 0.4249**, and the grayscale version is **24.8160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7660, 0.3632, 0.2626**, and **10.2999, 0.4634, 0.2349** is the 20% darker color. If you saturate the color by 10%, you get **22.8680, 0.4517, 0.2530**, and if you desaturate by 10%, it is **30.9824, 0.3994, 0.2656**.

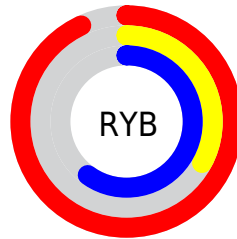
# Distribution



Red (93%)

Green (33%)

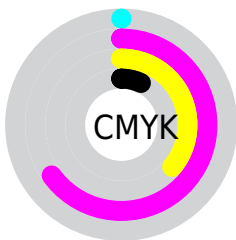
Blue (60%)



Red (93%)

Yellow (33%)

Blue (60%)

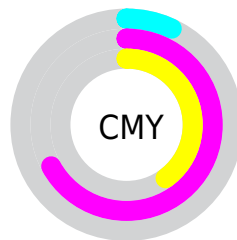


Cyan (0%)

Magenta (65%)

Yellow (36%)

Black (7%)



Cyan (7%)

Magenta (67%)


Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.2864, 0.4245, 0.2574 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 26.2864, 0.4245, 0.2574 by changing the saturation by 10% instead.





 26.2864, 0.4245,  
0.2574


 26.2864, 0.4245,  
0.2574


284.1852, 0.3644,  
0.2951


 17.0380, 0.4408,  
0.2474


 53.7366, 0.4017,  
0.2715


 10.2616, 0.4626,  
0.2343


 72.7073, 0.3934,  
0.2767

 5.5728, 0.4930,  
0.2164


 95.6874, 0.3865,  
0.2810

 2.5871, 0.5377,  
0.1908

 123.0615, 0.3807,  
0.2847

 0.9202, 0.6089,  
0.1517

155.2140, 0.3758,  
0.2879

 0.0000, 0.8936,  
0.0000

192.5291, 0.3715,

 0.0000, 1.0000,

0.2906

0.0000

235.3914, 0.3677,  
0.2930

■ 0.0000, 0.0000,  
0.0000

■ 26.2864, 0.4245,  
0.2574

■ 26.2864, 0.4245,  
0.2574

■ 22.8680, 0.4517,  
0.2530

■ 30.9824, 0.3994,  
0.2656

■ 20.5911, 0.4798,  
0.2534

■ 37.0655, 0.3771,  
0.2761


■ 19.2953, 0.5069,  
0.2594


■ 44.6383, 0.3580,  
0.2879

■ 18.8813, 0.5203,  
0.2640

■ 53.7922, 0.3419,  
0.3001

■ 64.6113, 0.3284,  
0.3122

 77.1738, 0.3173,  
0.3237

 91.5528, 0.3082,  
0.3345

 96.5727, 0.3011,  
0.3290

# Harmonies

## Analogous

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



26.2864, 0.3113, 0.2066



26.2864, 0.4245, 0.2574



26.2864, 0.5076, 0.3224

# Triad

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



26.2864, 0.4245, 0.2574



26.2864, 0.3823, 0.5265



26.2864, 0.1386, 0.2109

# Complementary

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



26.2864, 0.4245, 0.2574



64.6213, 0.2666, 0.4249

# 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.



26.2864, 0.1493, 0.2882



26.2864, 0.4245, 0.2574



26.2864, 0.2839, 0.5149

# Square

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



26.2864, 0.4245, 0.2574



26.2864, 0.4690, 0.4688



26.2864, 0.1984, 0.4102



26.2864, 0.1609, 0.1783



# Rectangle

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



26.2864, 0.4245, 0.2574



26.2864, 0.5242, 0.3695



26.2864, 0.1984, 0.4102



26.2864, 0.1383, 0.2310

# Sweetspot

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



26.2878, 0.4245, 0.2574



71.2911, 0.3338, 0.3071



20.2021, 0.2488, 0.1493



14.4751, 0.3377, 0.3036



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.



26.2878, 0.4245, 0.2574



26.1660, 0.4616, 0.2525



25.4557, 0.5209, 0.3344



15.1669, 0.3222, 0.3184



10.4332, 0.5164, 0.2618



0.8384, 0.4825, 0.2432



# Inverse Universe

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



26.2878, 0.4245, 0.2574



26.1660, 0.4616, 0.2525



64.9913, 0.2343, 0.3223



15.1669, 0.3222, 0.3184



10.4332, 0.5164, 0.2618



0.8384, 0.4825, 0.2432



# Previews

## White Background



This preview shows how the Yxy color 26.2864, 0.4245, 0.2574 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

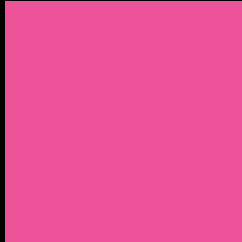
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 26.2864, 0.4245, 0.2574 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

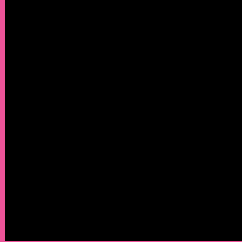
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 26.2864, 0.4245, 0.2574**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.2864, 0.4245, 0.2574.



This preview shows how white text looks on a background with the Yxy color 26.2864, 0.4245, 0.2574.

# 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

26.2864, 0.4245, 0.2574

### Protanopia

26.6081, 0.2578, 0.2535

### Deuteranopia

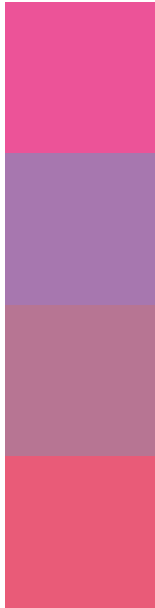
26.2973, 0.3222, 0.3163



## Tritanopia

26.2798, 0.4886, 0.3233

# Trichromacy



## Original Color

26.2864, 0.4245, 0.2574

## Protanomaly

24.5043, 0.3074, 0.2489

## Deuteranomaly

24.8964, 0.3589, 0.2868

## Tritanomaly

26.1619, 0.4652, 0.2988

# Monochromacy



## Original Color

26.2864, 0.4245, 0.2574

## Achromatopsia

25.0158, 0.3127, 0.3290

## Achromatomaly

23.5598, 0.3530, 0.2920

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.2864, 0.4245, 0.2574 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(236, 83, 152)` looks like.

```
.text, #text, p{  
    color:rgb(236, 83, 152)  
}
```

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(236, 83, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 83, 152) }
```

## Border

The CSS property to change the border of an element to Yxy 26.2864, 0.4245, 0.2574 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(236, 83, 152) }
```

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

```
.border{ border-color:rgb(236, 83, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 83, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 83, 152); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 83, 152); box-shadow:4px 4px 4px 4px rgb(236, 83, 152) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.2864, 0.4245, 0.2574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 83, 152) }
```

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

```
.background{ background-color: rgb(236, 83,  
152) }
```

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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