

# Converting Colors

$Y_{xy}(26.6924, 0.4803, 0.2711)$

Have a look what the booklet for  
Yxy(26.6924, 0.4803, 0.2711)  
contains.

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**Color**

**Yxy(26.7065, 0.4802, 0.2711)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF4184
RGB	255, 65, 132
RGB Percent	100%, 25%, 52%
CMY	0.0000, 0.7453, 0.4823
CMYK	0.00, 0.75, 0.48, 0.00
HSL	339°, 100%, 63%
HSV	339°, 75%, 100%
XYZ	47.3053, 26.7065, 24.4998
YIQ	129.4480, 91.7330, 61.1170

# Conversions

## Conversions Part 2

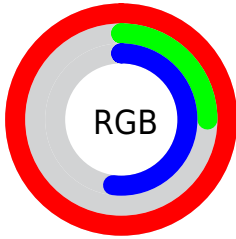
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 65, 132
Decimal	16728452
CIE <sub>Lab</sub>	58.70, 74.25, 7.15
CIE <sub>LCh</sub>	59, 74.595, 5.500
Yxy	26.7065, 0.4802, 0.2711
Android (android.graphics.Color)	4294918532 (0xFFFF4184)
YUV	129.4480, 1.2581, 110.1091
Hunter-Lab	51.6783, 72.9581, 8.0664

# Details

The Yxy color **26.7065, 0.4802, 0.2711** is a light color, and the websafe version is hex **FF6699**. The color can be described as light washed rose. A complement of this color would be **76.2701, 0.2568, 0.4166**, and the grayscale version is **22.0801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2011, 0.3886, 0.2707**, and **11.8310, 0.5251, 0.2666** is the 20% darker color. If you saturate the color by 10%, you get **23.9909, 0.5142, 0.2735**, and if you desaturate by 10%, it is **30.8040, 0.4467, 0.2734**.

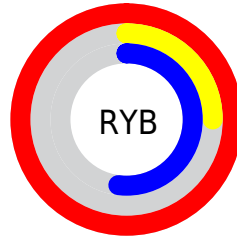
# Distribution



Red (100%)

Green (25%)

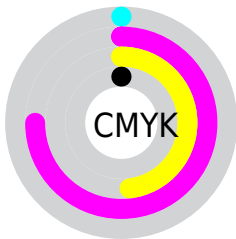
Blue (52%)



Red (100%)

Yellow (25%)

Blue (52%)

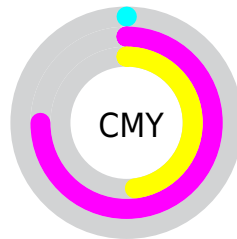


Cyan (0%)

Magenta (75%)

Yellow (48%)

Black (0%)



Cyan (0%)

Magenta (75%)


Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.7065, 0.4802, 0.2711 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 26.7065, 0.4802, 0.2711 by changing the saturation by 10% instead.





 26.7065, 0.4802,  
0.2711


 26.7065, 0.4802,  
0.2711


286.2332, 0.3894,  
0.3040


 17.3529, 0.5049,  
0.2616


 54.4125, 0.4457,  
0.2840

 10.4864, 0.5375,  
0.2487


 73.5338, 0.4331,  
0.2886


 5.7227, 0.5823,  
0.2304

 96.6797, 0.4227,  
0.2923

 2.6772, 0.6463,  
0.2029

 124.2347, 0.4140,  
0.2954

 0.9656, 0.7477,  
0.1609

 156.5831, 0.4065,  
0.2981

 0.0000, 1.0000,  
0.0000


194.1094, 0.4000,


 0.0000, 0.0000,


0.3003


0.0000


237.1980, 0.3944,  
0.3023

 26.7065, 0.4802,  
0.2711


 26.7065, 0.4802,  
0.2711


 23.9909, 0.5142,  
0.2735


 30.8040, 0.4467,  
0.2734


 22.4741, 0.5458,  
0.2810


 36.4578, 0.4158,  
0.2793


 21.9981, 0.5615,  
0.2867

 43.8018, 0.3887,  
0.2875

 52.9591, 0.3657,  
0.2968

 64.0411, 0.3465,  
0.3065

 77.1502, 0.3307,  
0.3160

 92.3815, 0.3178,  
0.3251

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



26.7065, 0.3542, 0.2099



26.7065, 0.4802, 0.2711



26.7065, 0.5477, 0.3431

# Triad

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



26.7065, 0.4802, 0.2711



26.7065, 0.3468, 0.5628



26.7065, 0.1258, 0.1792

# Complementary

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



26.7065, 0.4802, 0.2711



76.2701, 0.2568, 0.4166

# 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.



26.7065, 0.1237, 0.2435



26.7065, 0.4802, 0.2711



26.7065, 0.2402, 0.5142

# Square

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



26.7065, 0.4802, 0.2711



26.7065, 0.4508, 0.5073



26.7065, 0.1595, 0.3686



26.7065, 0.1616, 0.1592



# Rectangle

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



26.7065, 0.4802, 0.2711



26.7065, 0.5435, 0.3950



26.7065, 0.1595, 0.3686



26.7065, 0.1214, 0.1948

# Sweetspot

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



26.7019, 0.4802, 0.2711



67.1594, 0.3422, 0.3089



21.3490, 0.2533, 0.1351



13.6599, 0.3468, 0.3063



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.



26.7019, 0.4802, 0.2711



23.1787, 0.5288, 0.2762



29.0031, 0.5524, 0.3492



18.0930, 0.3239, 0.3206



11.5200, 0.5572, 0.2843



1.1415, 0.5257, 0.2670



# Inverse Universe

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



26.7019, 0.4802, 0.2711



23.1787, 0.5288, 0.2762



64.7471, 0.2224, 0.2974



18.0930, 0.3239, 0.3206



11.5200, 0.5572, 0.2843



1.1415, 0.5257, 0.2670



# Previews

## White Background



This preview shows how the Yxy color 26.7065, 0.4802, 0.2711 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 26.7065, 0.4802, 0.2711 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 26.7065, 0.4802, 0.2711**

## Background



This preview shows how black text looks on a background with the Yxy color 26.7065, 0.4802, 0.2711.



This preview shows how white text looks on a background with the Yxy color 26.7065, 0.4802, 0.2711.

# 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

26.7065, 0.4802, 0.2711

### Protanopia

26.8805, 0.2752, 0.2756

### Deuteranopia

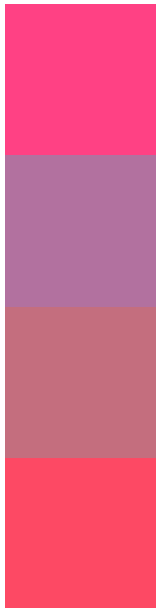
26.7198, 0.3568, 0.3495



## Tritanopia

26.5973, 0.5436, 0.3265

# Trichromacy



**Original Color**

26.7065, 0.4802, 0.2711

**Protanomaly**

23.7784, 0.3388, 0.2640

**Deuteranomaly**

24.3940, 0.4051, 0.3078

**Tritanomaly**

26.5678, 0.5221, 0.3069

# Monochromacy



**Original Color**

26.7065, 0.4802, 0.2711

**Achromatopsia**

21.9526, 0.3127, 0.3290

**Achromatomaly**

21.0337, 0.3749, 0.2935

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.7065, 0.4802, 0.2711 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, 65, 132)` looks like.

```
.text, #text, p{  
    color:rgb(255, 65, 132)  
}
```

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, 65, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 65, 132) }
```

## Border

The CSS property to change the border of an element to Yxy 26.7065, 0.4802, 0.2711 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, 65, 132) }
```

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

```
.border{ border-color:rgb(255, 65, 132) }
```

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

Here you see how a box with a 4 pixel rgb(255, 65, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 65, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 65, 132);  
box-shadow:4px 4px 4px 4px rgb(255, 65,  
132) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 26.7065, 0.4802, 0.2711$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 65, 132) }
```

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

```
.background{ background-color: rgb(255, 65,  
132) }
```

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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