

Converting Colors

$Y_{xy}(45.6666, 0.5400, 0.2923)$

Have a look what the booklet for
Yxy(45.6666, 0.5400, 0.2923)
contains.

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Color

Yxy(26.4810, 0.4809, 0.2699)

Conversions

Conversions Part 1

Format	Color
Hex	FF3F84
RGB	255, 63, 132
RGB Percent	100%, 25%, 52%
CMY	0.0000, 0.7529, 0.4824
CMYK	0.00, 0.75, 0.48, 0.00
HSL	338°, 100%, 62%
HSV	338°, 75%, 100%
XYZ	47.1831, 26.4810, 24.4500
YIQ	128.2740, 92.2830, 62.1630

Conversions

Conversions Part 2

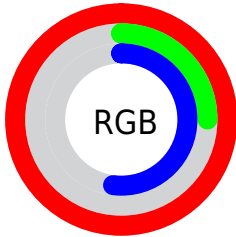
Format	Color
RYB	255, 63, 132
Decimal	16727940
CIELab	58.49, 74.82, 6.87
CIElCh	58, 75.134, 5.245
Yxy	26.4810, 0.4809, 0.2699
Android (android.graphics.Color)	4294918020 (0xFFFF3F84)
YUV	128.2740, 1.8369, 111.1387
Hunter-Lab	51.4597, 73.6111, 7.8513

Details

The Yxy color **26.4810, 0.4809, 0.2699** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **76.1231, 0.2572, 0.4194**, and the grayscale version is **21.6569, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6845, 0.3891, 0.2687**, and **11.8310, 0.5251, 0.2666** is the 20% darker color. If you saturate the color by 10%, you get **23.8679, 0.5145, 0.2726**, and if you desaturate by 10%, it is **30.4718, 0.4477, 0.2721**.

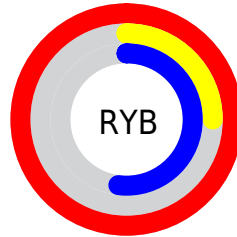
Distribution



Red (100%)

Green (25%)

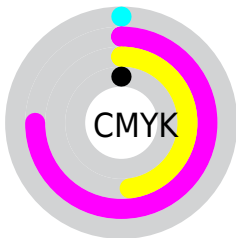
Blue (52%)



Red (100%)

Yellow (25%)

Blue (52%)

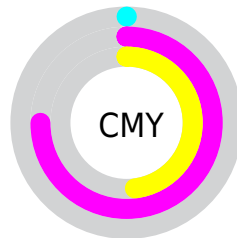


Cyan (0%)

Magenta (75%)

Yellow (48%)

Black (0%)



Cyan (0%)


Magenta (75%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.4810, 0.4809, 0.2699 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 26.4810, 0.4809, 0.2699 by changing the saturation by 10% instead.


 26.4810, 0.4809,
0.2699


 26.4810, 0.4809,
0.2699


285.1354, 0.3897,
0.3034


 17.1838, 0.5057,
0.2603


 54.0499, 0.4462,
0.2830

 10.3656, 0.5385,
0.2472


 73.0904, 0.4336,
0.2877

 5.6421, 0.5836,
0.2286

 96.1475, 0.4231,
0.2915

 2.6287, 0.6481,
0.2007

 123.6056, 0.4143,
0.2947

 0.9411, 0.7504,
0.1582

 155.8490, 0.4068,
0.2974

 0.0000, 1.0000,
0.0000

193.2622, 0.4003,

 0.0000, 0.0000,

0.2997

0.0000

236.2295, 0.3946,
0.3017

■ 26.4810, 0.4809,
0.2699

■ 26.4810, 0.4809,
0.2699

■ 23.8679, 0.5145,
0.2726

■ 30.4718, 0.4477,
0.2721

■ 22.4300, 0.5456,
0.2804


■ 36.0011, 0.4169,
0.2779


■ 22.0260, 0.5590,
0.2853

■ 43.2093, 0.3899,
0.2861

■ 52.2204, 0.3667,
0.2955

■ 63.1465, 0.3475,
0.3053

 76.0905, 0.3316,
0.3151

 91.1481, 0.3186,
0.3243

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.



26.4810, 0.3533, 0.2085



26.4810, 0.4809, 0.2699



26.4810, 0.5496, 0.3422

Triad

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



26.4810, 0.4809, 0.2699



26.4810, 0.3475, 0.5649



26.4810, 0.1244, 0.1784

Complementary

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



26.4810, 0.4809, 0.2699



76.1231, 0.2572, 0.4194

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.



26.4810, 0.1224, 0.2434



26.4810, 0.4809, 0.2699



26.4810, 0.2402, 0.5174

Square

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



26.4810, 0.4809, 0.2699



26.4810, 0.4522, 0.5076



26.4810, 0.1587, 0.3701



26.4810, 0.1600, 0.1580

Rectangle

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



26.4810, 0.4809, 0.2699



26.4810, 0.5456, 0.3943



26.4810, 0.1587, 0.3701



26.4810, 0.1200, 0.1941

Sweetspot

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



26.4816, 0.4809, 0.2699



65.9297, 0.3435, 0.3076



21.0410, 0.2525, 0.1337



13.1825, 0.3498, 0.3040



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.



26.4816, 0.4809, 0.2699



23.0586, 0.5296, 0.2756



28.6986, 0.5556, 0.3491



18.0949, 0.3237, 0.3205



11.5349, 0.5547, 0.2829



1.1431, 0.5234, 0.2657

Inverse Universe

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



26.4816, 0.4809, 0.2699



23.0586, 0.5296, 0.2756



64.5380, 0.2220, 0.2970



18.0949, 0.3237, 0.3205



11.5349, 0.5547, 0.2829



1.1431, 0.5234, 0.2657

Previews

White Background



This preview shows how the Yxy color 26.4810, 0.4809, 0.2699 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 26.4810, 0.4809, 0.2699 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 26.4810, 0.4809, 0.2699

Background



This preview shows how black text looks on a background with the Yxy color 26.4810, 0.4809, 0.2699.



This preview shows how white text looks on a background with the Yxy color 26.4810, 0.4809, 0.2699.

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

26.4810, 0.4809, 0.2699

Protanopia

26.8379, 0.2735, 0.2740

Deuteranopia

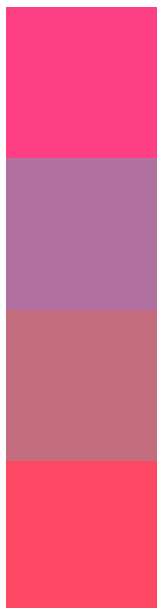
26.6154, 0.3556, 0.3496



Tritanopia

26.4435, 0.5455, 0.3265

Trichromacy



Original Color

26.4810, 0.4809, 0.2699

Protanomaly

23.4387, 0.3378, 0.2623

Deuteranomaly

24.0457, 0.4044, 0.3063

Tritanomaly

26.2900, 0.5246, 0.3064

Monochromacy



Original Color

26.4810, 0.4809, 0.2699

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.4843, 0.3757, 0.2919

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.4810, 0.4809, 0.2699 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, 63, 132)` looks like.

```
.text, #text, p{  
    color:rgb(255, 63, 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, 63, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 63, 132) }
```

Border

The CSS property to change the border of an element to Yxy 26.4810, 0.4809, 0.2699 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, 63, 132) }
```

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

```
.border{ border-color:rgb(255, 63, 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, 63, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 63, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 63, 132);  
box-shadow:4px 4px 4px 4px rgb(255, 63,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 26.4810, 0.4809, 0.2699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 63, 132) }
```

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

```
.background{ background-color: rgb(255, 63,  
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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