

Converting Colors

Yxy(24.8624, 0.4761, 0.2533)

Have a look what the booklet for
Yxy(24.8624, 0.4761, 0.2533)
contains.

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Color

Yxy(24.8227, 0.4770, 0.2536)

Conversions

Conversions Part 1

Format	Color
Hex	FF2B8A
RGB	255, 43, 138
RGB Percent	100%, 17%, 54%
CMY	0.0000, 0.8312, 0.4589
CMYK	0.00, 0.83, 0.46, 0.00
HSL	333°, 100%, 58%
HSV	333°, 83%, 100%
XYZ	46.6894, 24.8227, 26.3692
YIQ	117.2180, 95.8570, 74.4890

Conversions

Conversions Part 2

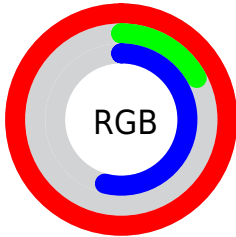
Format	Color
R_{YB}	255, 43, 138
Decimal	16722826
CIE _{Lab}	56.90, 80.28, 1.03
CIE _{LCh}	57, 80.287, 0.734
Yxy	24.8227, 0.4770, 0.2536
Android (android.graphics.Color)	4294912906 (0xFFFF2B8A)
YUV	117.2180, 10.2455, 120.8348
Hunter-Lab	49.8224, 80.0861, 3.4956

Details

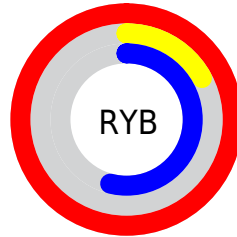
The Yxy color **24.8227, 0.4770, 0.2536** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **74.5716, 0.2643, 0.4573**, and the grayscale version is **17.8111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0562, 0.3850, 0.2518**, and **11.9110, 0.5142, 0.2606** is the 20% darker color. If you saturate the color by 10%, you get **23.1299, 0.5046, 0.2589**, and if you desaturate by 10%, it is **27.7276, 0.4487, 0.2538**.

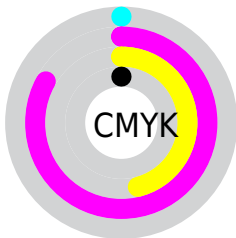
Distribution



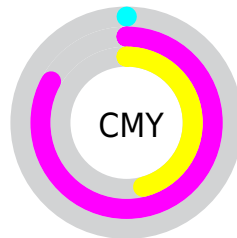
- Red (100%)
- Green (17%)
- Blue (54%)



- Red (100%)
- Yellow (17%)
- Blue (54%)



- Cyan (0%)
- Magenta (83%)
- Yellow (46%)
- Black (0%)




- Cyan (0%)
- Magenta (83%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8227, 0.4770, 0.2536 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 24.8227, 0.4770, 0.2536 by changing the saturation by 10% instead.


 24.8227, 0.4770,
0.2536


 24.8227, 0.4770,
0.2536


276.9538, 0.3877,
0.2948


 15.9450, 0.5014,
0.2423


 51.3694, 0.4429,
0.2694


 9.4852, 0.5337,
0.2272


 69.8073, 0.4306,
0.2751


 5.0590, 0.5783,
0.2063

 92.2006, 0.4204,
0.2798

 2.2819, 0.6426,
0.1760

 118.9339, 0.4118,
0.2837

 0.7641, 0.7410,
0.1298

 150.3914, 0.4045,
0.2871

 0.0000, 1.0000,
0.0000

186.9577, 0.3981,

 0.0000, 0.0000,

0.2900

0.0000

229.0170, 0.3926,
0.2926

■ 24.8227, 0.4770,
0.2536

■ 24.8227, 0.4770,
0.2536

■ 23.1299, 0.5046,
0.2589

■ 27.7276, 0.4487,
0.2538

■ 22.4793, 0.5225,
0.2652

■ 32.0291, 0.4213,
0.2588

■ 37.8846, 0.3963,
0.2674

■ 45.4287, 0.3743,
0.2781

■ 54.7815, 0.3555,
0.2900

66.0520, 0.3397,
0.3022

79.3406, 0.3265,
0.3142

94.7405, 0.3157,
0.3256

99.9992, 0.3127,
0.3290

Harmonies

Analogous

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



24.8227, 0.3344, 0.1924



24.8227, 0.4770, 0.2536



24.8227, 0.5640, 0.3271

Triad

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



24.8227, 0.4770, 0.2536



24.8227, 0.3622, 0.5799



24.8227, 0.1108, 0.1740

Complementary

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



24.8227, 0.4770, 0.2536



74.5716, 0.2643, 0.4573

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.



24.8227, 0.1131, 0.2504



24.8227, 0.4770, 0.2536



24.8227, 0.2478, 0.5555

Square

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



24.8227, 0.4770, 0.2536



24.8227, 0.4723, 0.5019



24.8227, 0.1564, 0.3987



24.8227, 0.1422, 0.1481

Rectangle

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



24.8227, 0.4770, 0.2536



24.8227, 0.5664, 0.3801



24.8227, 0.1564, 0.3987



24.8227, 0.1078, 0.1925

Sweetspot

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



24.8241, 0.4770, 0.2536



63.7878, 0.3424, 0.3000



16.3839, 0.2287, 0.1124



12.7856, 0.3478, 0.2957



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.



24.8241, 0.4770, 0.2536



22.4801, 0.5225, 0.2652



24.0383, 0.5996, 0.3354



18.1223, 0.3224, 0.3184



11.7754, 0.5185, 0.2630



1.1682, 0.4904, 0.2475

Inverse Universe

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



24.8241, 0.4770, 0.2536



22.4801, 0.5225, 0.2652



72.6753, 0.2239, 0.3158



18.1223, 0.3224, 0.3184



11.7754, 0.5185, 0.2630



1.1682, 0.4904, 0.2475

Previews

White Background



This preview shows how the Yxy color 24.8227, 0.4770, 0.2536 looks on a white background.

Color Contrast Check

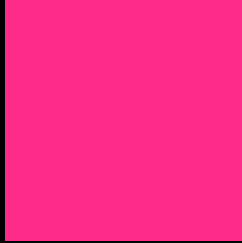
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8227, 0.4770, 0.2536 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 24.8227, 0.4770, 0.2536

Background



This preview shows how black text looks on a background with the Yxy color 24.8227, 0.4770, 0.2536.



This preview shows how white text looks on a background with the Yxy color 24.8227, 0.4770, 0.2536.

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

24.8227, 0.4770, 0.2536

Protanopia

25.0826, 0.2490, 0.2420

Deuteranopia

24.8333, 0.3417, 0.3356



Tritanopia

24.8230, 0.5658, 0.3283

Trichromacy



Original Color

24.8227, 0.4770, 0.2536



Protanomaly

20.9163, 0.3137, 0.2298



Deuteranomaly

21.7274, 0.3935, 0.2854



Tritanomaly

24.5119, 0.5391, 0.3029

Monochromacy



Original Color

24.8227, 0.4770, 0.2536



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

17.0085, 0.3772, 0.2754

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8227, 0.4770, 0.2536 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, 138)` looks like.

```
.text, #text, p{  
    color:rgb(255, 43, 138)  
}
```

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, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 43, 138) }
```

Border

The CSS property to change the border of an element to Yxy 24.8227, 0.4770, 0.2536 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, 138) }
```

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

```
.border{ border-color:rgb(255, 43, 138) }
```

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, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 43, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 43, 138);  
box-shadow:4px 4px 4px 4px rgb(255, 43,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8227, 0.4770, 0.2536 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, 138) }
```

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

```
.background{ background-color: rgb(255, 43,  
138) }
```

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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