

Converting Colors

$Yxy(24.0575, 0.4866, 0.2543)$

Have a look what the booklet for
Yxy(24.0575, 0.4866, 0.2543)
contains.

Yxy(24.0412, 0.4871, 0.2545)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.0412, 0.4871, 0.2545)

Conversions

Conversions Part 1

Format	Color
Hex	FF2185
RGB	255, 33, 133
RGB Percent	100%, 13%, 52%
CMY	0.0001, 0.8703, 0.4784
CMYK	0.00, 0.87, 0.48, 0.00
HSL	333°, 100%, 56%
HSV	333°, 87%, 100%
XYZ	46.0136, 24.0412, 24.4096
YIQ	110.7780, 100.2120, 78.1640

Conversions

Conversions Part 2

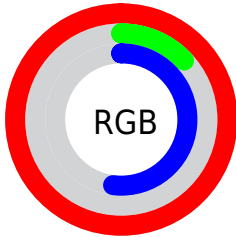
Format	Color
R_{YB}	255, 33, 133
Decimal	16720261
CIE _{Lab}	56.13, 81.70, 2.86
CIE _{LCh}	56, 81.751, 2.008
Yxy	24.0412, 0.4871, 0.2545
Android (android.graphics.Color)	4294910341 (0xFFFF2185)
YUV	110.7780, 10.9554, 126.4827
Hunter-Lab	49.0318, 81.7066, 4.8058

Details

The Yxy color **24.0412, 0.4871, 0.2545** 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 **74.2021, 0.2650, 0.4648**, and the grayscale version is **15.7871, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7424, 0.3921, 0.2522**, and **11.8466, 0.5229, 0.2654** is the 20% darker color. If you saturate the color by 10%, you get **22.7532, 0.5138, 0.2619**, and if you desaturate by 10%, it is **26.4487, 0.4590, 0.2527**.

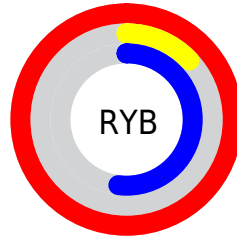
Distribution



Red (100%)

Green (13%)

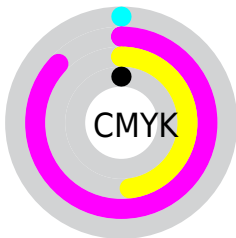
Blue (52%)



Red (100%)

Yellow (13%)

Blue (52%)

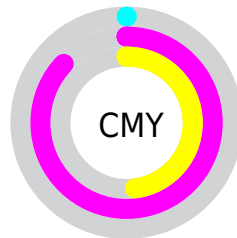


Cyan (0%)

Magenta (87%)

Yellow (48%)

Black (0%)



Cyan (0%)

Magenta (87%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.0412, 0.4871, 0.2545 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 24.0412, 0.4871, 0.2545 by changing the saturation by 10% instead.


 24.0412, 0.4871,
0.2545


 24.0412, 0.4871,
0.2545


273.0287, 0.3918,
0.2959


 15.3642, 0.5132,
0.2429


 50.0974, 0.4507,
0.2705


 9.0754, 0.5480,
0.2274


 68.2454, 0.4375,
0.2762


 4.7904, 0.5959,
0.2057

 90.3192, 0.4266,
0.2809

 2.1248, 0.6645,
0.1739

 116.7032, 0.4174,
0.2849

 0.6785, 0.7763,
0.1247

 147.7817, 0.4096,
0.2882

 0.0000, 1.0000,
0.0000

183.9392, 0.4028,

 0.0000, 0.0000,

0.2911

0.0000

225.5601, 0.3970,
0.2937

■ 24.0412, 0.4871,
0.2545

■ 24.0412, 0.4871,
0.2545

■ 22.7532, 0.5138,
0.2619

■ 26.4487, 0.4590,
0.2527

■ 22.4907, 0.5215,
0.2646

■ 30.1837, 0.4312,
0.2560

■ 35.4140, 0.4053,
0.2634

■ 42.2818, 0.3822,
0.2735

■ 50.9122, 0.3623,
0.2851

61.4182, 0.3454,
0.2973

73.9032, 0.3313,
0.3095

88.4631, 0.3196,
0.3212

99.9968, 0.3127,
0.3290

Harmonies

Analogous

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



24.0412, 0.3408, 0.1917



24.0412, 0.4871, 0.2545



24.0412, 0.5719, 0.3290

Triad

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



24.0412, 0.4871, 0.2545



24.0412, 0.3563, 0.5881



24.0412, 0.1078, 0.1684

Complementary

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



24.0412, 0.4871, 0.2545



74.2021, 0.2650, 0.4648

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.



24.0412, 0.1083, 0.2430



24.0412, 0.4871, 0.2545



24.0412, 0.2403, 0.5586

Square

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



24.0412, 0.4871, 0.2545



24.0412, 0.4696, 0.5080



24.0412, 0.1495, 0.3927



24.0412, 0.1410, 0.1443

Rectangle

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



24.0412, 0.4871, 0.2545



24.0412, 0.5706, 0.3828



24.0412, 0.1495, 0.3927



24.0412, 0.1042, 0.1863

Sweetspot

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



24.0426, 0.4871, 0.2545



62.6175, 0.3438, 0.2986



14.9312, 0.2211, 0.1050



12.5618, 0.3492, 0.2943



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.



24.0426, 0.4871, 0.2545



22.4941, 0.5215, 0.2646



22.9168, 0.6142, 0.3329



18.1231, 0.3223, 0.3183



11.7828, 0.5175, 0.2624



1.1689, 0.4895, 0.2470

Inverse Universe

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



24.0426, 0.4871, 0.2545



22.4941, 0.5215, 0.2646



74.4242, 0.2239, 0.3198



18.1231, 0.3223, 0.3183



11.7828, 0.5175, 0.2624



1.1689, 0.4895, 0.2470

Previews

White Background



This preview shows how the Yxy color 24.0412, 0.4871, 0.2545 looks on a white background.

Color Contrast Check

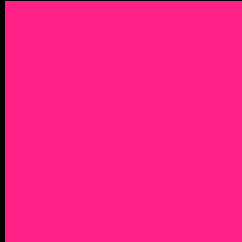
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0412, 0.4871, 0.2545 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 24.0412, 0.4871, 0.2545

Background



This preview shows how black text looks on a background with the Yxy color 24.0412, 0.4871, 0.2545.

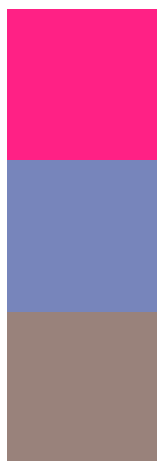


This preview shows how white text looks on a background with the Yxy color 24.0412, 0.4871, 0.2545.

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

24.0412, 0.4871, 0.2545

Protanopia

24.2849, 0.2506, 0.2437

Deuteranopia

24.1676, 0.3480, 0.3406



Tritanopia

24.0779, 0.5774, 0.3291

Trichromacy



Original Color

24.0412, 0.4871, 0.2545



Protanomaly

19.6642, 0.3187, 0.2287



Deuteranomaly

20.6639, 0.4030, 0.2856



Tritanomaly

23.6648, 0.5514, 0.3034

Monochromacy



Original Color

24.0412, 0.4871, 0.2545



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

15.3050, 0.3837, 0.2728

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0412, 0.4871, 0.2545 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, 33, 133)` looks like.

```
.text, #text, p{  
  color:rgb(255, 33, 133)  
}
```

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, 33, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 33, 133) }
```

Border

The CSS property to change the border of an element to Yxy 24.0412, 0.4871, 0.2545 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, 33, 133) }
```

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

```
.border{ border-color:rgb(255, 33, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 33, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 33, 133); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 33, 133); box-shadow:4px 4px 4px 4px rgb(255, 33, 133) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0412, 0.4871, 0.2545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 33, 133) }
```

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

```
.background{ background-color: rgb(255, 33,  
133) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor