

Converting Colors

$Y_{xy}(27.9583, 0.4079, 0.2225)$

Have a look what the booklet for
Yxy(27.9583, 0.4079, 0.2225)
contains.

Yxy(27.9337, 0.4081, 0.2224)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(27.9337, 0.4081, 0.2224)

Conversions

Conversions Part 1

Format	Color
Hex	FF3DB5
RGB	255, 61, 181
RGB Percent	100%, 24%, 71%
CMY	0.0000, 0.7609, 0.2902
CMYK	0.00, 0.76, 0.29, 0.00
HSL	323°, 100%, 62%
HSV	323°, 76%, 100%
XYZ	51.2578, 27.9337, 46.4096
YIQ	132.6860, 77.1040, 78.4480

Conversions

Conversions Part 2

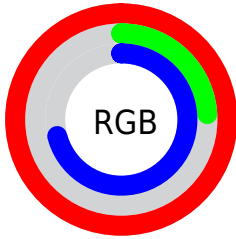
Format	Color
R _Y B	255, 61, 181
Decimal	16727477
CIE Lab	59.83, 80.14, -19.78
CIE LCh	60, 82.540, 346.138
Yxy	27.9337, 0.4081, 0.2224
Android (android.graphics.Color)	4294917557 (0xFFFF3DB5)
YUV	132.6860, 23.8188, 107.2694
Hunter-Lab	52.8523, 80.6232, -15.0659

Details

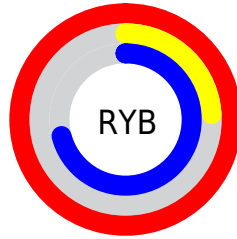
The Yxy color **27.9337, 0.4081, 0.2224** is a light color, and the websafe version is hex **FF0099**. The color can be described as light washed rose. A complement of this color would be **74.2587, 0.2779, 0.4907**, and the grayscale version is **23.2170, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2961, 0.3347, 0.2212**, and **12.8960, 0.4291, 0.2138** is the 20% darker color. If you saturate the color by 10%, you get **25.4403, 0.4257, 0.2200**, and if you desaturate by 10%, it is **31.7388, 0.3908, 0.2298**.

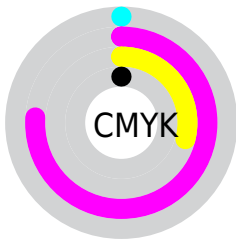
Distribution



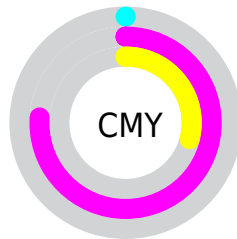
- Red (100%)
- Green (24%)
- Blue (71%)



- Red (100%)
- Yellow (24%)
- Blue (71%)



- Cyan (0%)
- Magenta (76%)
- Yellow (29%)
- Black (0%)





- Cyan (0%)
- Magenta (76%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.9337, 0.4081, 0.2224 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 27.9337, 0.4081, 0.2224 by changing the saturation by 10% instead.


 27.9337, 0.4081,
0.2224


 27.9337, 0.4081,
0.2224


292.1500, 0.3593,
0.2749


 18.2757, 0.4205,
0.2098


 56.3786, 0.3902,
0.2412

 11.1481, 0.4364,
0.1939


 75.9342, 0.3835,
0.2483


 6.1665, 0.4577,
0.1734


 99.5579, 0.3779,
0.2544

 2.9466, 0.4872,
0.1463

 127.6339, 0.3731,
0.2596

 1.1039, 0.5305,
0.1097

 160.5468, 0.3690,
0.2642

 0.0000, 0.6363,
0.0000

198.6808, 0.3653,

 0.0000, 0.8500,

0.2682

0.0000

242.4204, 0.3622,
0.2717

■ 0.0000, 0.0000,
0.0000

■ 27.9337, 0.4081,
0.2224

■ 27.9337, 0.4081,
0.2224

■ 25.4403, 0.4257,
0.2200

■ 31.7388, 0.3908,
0.2298

■ 24.0692, 0.4429,
0.2229


■ 37.0306, 0.3745,
0.2411


■ 23.7204, 0.4495,
0.2250

■ 43.9440, 0.3596,
0.2553

■ 52.6018, 0.3464,
0.2710

■ 63.1148, 0.3350,
0.2875

 75.5848, 0.3253,
0.3039

 90.1060, 0.3170,
0.3197

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.



27.9337, 0.2705, 0.1723



27.9337, 0.4081, 0.2224



27.9337, 0.5310, 0.2912

Triad

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



27.9337, 0.4081, 0.2224



27.9337, 0.4174, 0.5463



27.9337, 0.1092, 0.2045

Complementary

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



27.9337, 0.4081, 0.2224



74.2587, 0.2779, 0.4907

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.



27.9337, 0.1298, 0.3143



27.9337, 0.4081, 0.2224



27.9337, 0.3034, 0.5835

Square

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



27.9337, 0.4081, 0.2224



27.9337, 0.5160, 0.4552



27.9337, 0.1970, 0.4820



27.9337, 0.1240, 0.1573

Rectangle

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



27.9337, 0.4081, 0.2224



27.9337, 0.5665, 0.3415



27.9337, 0.1970, 0.4820



27.9337, 0.1117, 0.2329

Sweetspot

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



27.9295, 0.4081, 0.2224



66.7603, 0.3318, 0.2926



15.4672, 0.2078, 0.1099



13.3825, 0.3355, 0.2866



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.



27.9295, 0.4081, 0.2224



24.6429, 0.4342, 0.2207



25.2784, 0.5481, 0.3105



18.1761, 0.3197, 0.3144



12.4245, 0.4468, 0.2235



1.2310, 0.4285, 0.2134

Inverse Universe

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



27.9295, 0.4081, 0.2224



24.6429, 0.4342, 0.2207



78.1751, 0.2394, 0.3609



18.1761, 0.3197, 0.3144



12.4245, 0.4468, 0.2235



1.2310, 0.4285, 0.2134

Previews

White Background



This preview shows how the Yxy color 27.9337, 0.4081, 0.2224 looks on a white background.

Color Contrast Check

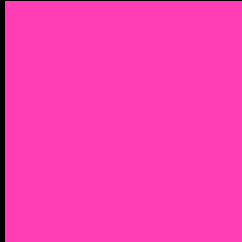
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9337, 0.4081, 0.2224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

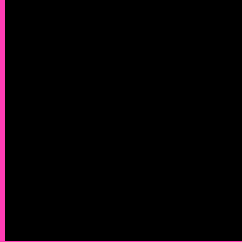
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9337, 0.4081, 0.2224

Background



This preview shows how black text looks on a background with the Yxy color 27.9337, 0.4081, 0.2224.



This preview shows how white text looks on a background with the Yxy color 27.9337, 0.4081, 0.2224.

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

27.9337, 0.4081, 0.2224

Protanopia

28.2841, 0.2128, 0.1944

Deuteranopia

28.1010, 0.2894, 0.2831



Tritanopia

27.7441, 0.5167, 0.3242

Trichromacy



Original Color

27.9337, 0.4081, 0.2224



Protanomaly

24.0737, 0.2591, 0.1897



Deuteranomaly

25.1226, 0.3295, 0.2450



Tritanomaly

27.4644, 0.4803, 0.2851

Monochromacy



Original Color

27.9337, 0.4081, 0.2224



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

22.0645, 0.3500, 0.2673

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9337, 0.4081, 0.2224 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, 61, 181)` looks like.

```
.text, #text, p{  
    color:rgb(255, 61, 181)  
}
```

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, 61, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 61, 181) }
```

Border

The CSS property to change the border of an element to Yxy 27.9337, 0.4081, 0.2224 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, 61, 181) }
```

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

```
.border{ border-color:rgb(255, 61, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 61, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 61, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 61, 181);  
box-shadow:4px 4px 4px 4px rgb(255, 61,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9337, 0.4081, 0.2224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 61, 181) }
```

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

```
.background{ background-color: rgb(255, 61,  
181) }
```

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