

Converting Colors

$Y_{xy}(28.8875, 0.4411, 0.2557)$

Have a look what the booklet for
Yxy(28.8875, 0.4411, 0.2557)
contains.

Yxy(28.9681, 0.4405, 0.2557)	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(28.9681, 0.4405, 0.2557)

Conversions

Conversions Part 1

Format	Color
Hex	FF4D9C
RGB	255, 77, 156
RGB Percent	100%, 30%, 61%
CMY	0.0000, 0.6982, 0.3882
CMYK	0.00, 0.70, 0.39, 0.00
HSL	333°, 100%, 65%
HSV	333°, 70%, 100%
XYZ	49.9040, 28.9681, 34.4173
YIQ	139.2280, 80.7290, 62.3050

Conversions

Conversions Part 2

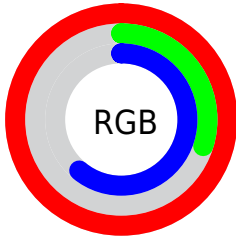
Format	Color
R_{YB}	255, 77, 156
Decimal	16731548
CIE _{Lab}	60.75, 72.53, -3.91
CIE _{LCh}	61, 72.640, 356.918
Yxy	28.9681, 0.4405, 0.2557
Android (android.graphics.Color)	4294921628 (0xFFFF4D9C)
YUV	139.2280, 8.2686, 101.5320
Hunter-Lab	53.8220, 71.3173, -0.2385

Details

The Yxy color **28.9681, 0.4405, 0.2557** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **76.2293, 0.2648, 0.4327**, and the grayscale version is **25.8470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.0901, 0.3597, 0.2559**, and **12.3574, 0.4779, 0.2406** is the 20% darker color. If you saturate the color by 10%, you get **25.6165, 0.4689, 0.2539**, and if you desaturate by 10%, it is **33.7640, 0.4136, 0.2619**.

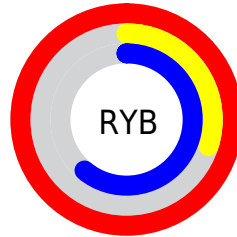
Distribution



Red (100%)

Green (30%)

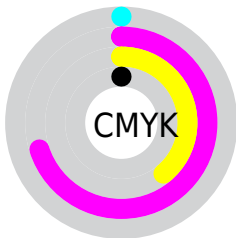
Blue (61%)



Red (100%)

Yellow (30%)

Blue (61%)

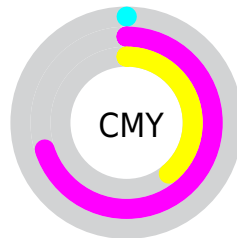


Cyan (0%)

Magenta (70%)

Yellow (39%)

Black (0%)



Cyan (0%)


Magenta (70%)


Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.9681, 0.4405, 0.2557 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 28.9681, 0.4405, 0.2557 by changing the saturation by 10% instead.


 28.9681, 0.4405,
0.2557


 28.9681, 0.4405,
0.2557


297.0644, 0.3728,
0.2939


 19.0567, 0.4585,
0.2457


 58.0264, 0.4150,
0.2699


 11.7112, 0.4822,
0.2328


 77.9421, 0.4057,
0.2752

 6.5474, 0.5146,
0.2153


 101.9613, 0.3980,
0.2796

 3.1807, 0.5612,
0.1906

 130.4685, 0.3914,
0.2833

 1.2268, 0.6323,
0.1539

163.8480, 0.3857,
0.2865

 0.0834, 0.8375,
0.0303

202.4842, 0.3808,

 0.0000, 1.0000,

0.2893

0.0000

246.7615, 0.3766,
0.2918

■ 0.0000, 0.0000,
0.0000

■ 28.9681, 0.4405,
0.2557

■ 28.9681, 0.4405,
0.2557

■ 25.6165, 0.4689,
0.2539

■ 33.7640, 0.4136,
0.2619

■ 23.5466, 0.4972,
0.2574

■ 40.1655, 0.3893,
0.2713


■ 22.4731, 0.5237,
0.2660

■ 48.2977, 0.3682,
0.2824

■ 22.4571, 0.5242,
0.2661

■ 58.2766, 0.3502,
0.2944

■ 70.2082, 0.3352,
0.3064

 84.1904, 0.3228,
0.3181

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.



28.9681, 0.3176, 0.2013



28.9681, 0.4405, 0.2557



28.9681, 0.5264, 0.3239

Triad

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



28.9681, 0.4405, 0.2557



28.9681, 0.3775, 0.5437



28.9681, 0.1287, 0.1986

Complementary

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



28.9681, 0.4405, 0.2557



76.2293, 0.2648, 0.4327

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.



28.9681, 0.1368, 0.2768



28.9681, 0.4405, 0.2557



28.9681, 0.2732, 0.5289

Square

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



28.9681, 0.4405, 0.2557



28.9681, 0.4722, 0.4796



28.9681, 0.1848, 0.4086



28.9681, 0.1540, 0.1679

Rectangle

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



28.9681, 0.4405, 0.2557



28.9681, 0.5394, 0.3732



28.9681, 0.1848, 0.4086



28.9681, 0.1275, 0.2185

Sweetspot

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



28.9636, 0.4405, 0.2557



68.6919, 0.3368, 0.3050



21.6236, 0.2447, 0.1380



13.9689, 0.3408, 0.3017



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.



28.9636, 0.4405, 0.2557



24.6068, 0.4809, 0.2547



28.4298, 0.5437, 0.3368



18.1211, 0.3224, 0.3185



11.7633, 0.5202, 0.2639



1.1669, 0.4918, 0.2483

Inverse Universe

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



28.9636, 0.4405, 0.2557



24.6068, 0.4809, 0.2547



74.7677, 0.2301, 0.3181



18.1211, 0.3224, 0.3185



11.7633, 0.5202, 0.2639



1.1669, 0.4918, 0.2483

Previews

White Background



This preview shows how the Yxy color 28.9681, 0.4405, 0.2557 looks on a white background.

Color Contrast Check

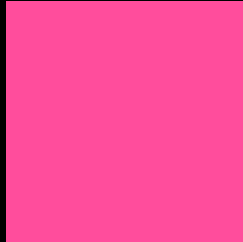
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9681, 0.4405, 0.2557 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 28.9681, 0.4405, 0.2557

Background



This preview shows how black text looks on a background with the Yxy color 28.9681, 0.4405, 0.2557.



This preview shows how white text looks on a background with the Yxy color 28.9681, 0.4405, 0.2557.

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

28.9681, 0.4405, 0.2557

Protanopia

29.2462, 0.2538, 0.2481

Deuteranopia

29.0297, 0.3282, 0.3214



Tritanopia

28.8545, 0.5132, 0.3242

Trichromacy



Original Color

28.9681, 0.4405, 0.2557



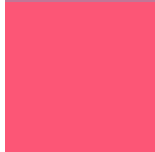
Protanomaly

26.1237, 0.3080, 0.2418



Deuteranomaly

26.7610, 0.3691, 0.2864



Tritanomaly

28.6590, 0.4889, 0.2998

Monochromacy



Original Color

28.9681, 0.4405, 0.2557



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

24.3589, 0.3592, 0.2877

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9681, 0.4405, 0.2557 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, 77, 156)` looks like.

```
.text, #text, p{  
    color:rgb(255, 77, 156)  
}
```

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, 77, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 77, 156) }
```

Border

The CSS property to change the border of an element to Yxy 28.9681, 0.4405, 0.2557 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, 77, 156) }
```

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

```
.border{ border-color:rgb(255, 77, 156) }
```

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

Here you see how a box with a 4 pixel rgb(255, 77, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 77, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 77, 156);  
box-shadow:4px 4px 4px 4px rgb(255, 77,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9681, 0.4405, 0.2557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 77, 156) }
```

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

```
.background{ background-color: rgb(255, 77,  
156) }
```

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