

Converting Colors

$Y_{xy}(37.2093, 0.4639, 0.2570)$

Have a look what the booklet for
Yxy(37.2093, 0.4639, 0.2570)
contains.

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Color

Yxy(28.6848, 0.4259, 0.2418)

Conversions

Conversions Part 1

Format	Color
Hex	FF48A7
RGB	255, 72, 167
RGB Percent	100%, 28%, 65%
CMY	0.0001, 0.7174, 0.3452
CMYK	0.00, 0.72, 0.35, 0.00
HSL	329°, 100%, 64%
HSV	329°, 72%, 100%
XYZ	50.5246, 28.6848, 39.4208
YIQ	137.5470, 78.5730, 68.3410

Conversions

Conversions Part 2

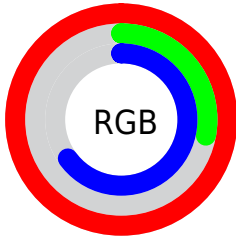
Format	Color
R _Y B	255, 72, 167
Decimal	16730279
CIE Lab	60.50, 75.28, -10.64
CIE LCh	61, 76.031, 351.952
Yxy	28.6848, 0.4259, 0.2418
Android (android.graphics.Color)	4294920359 (0xFFFF48A7)
YUV	137.5470, 14.5203, 103.0063
Hunter-Lab	53.5582, 74.6628, -6.1489

Details

The Yxy color **28.6848, 0.4259, 0.2418** 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 **75.4258, 0.2703, 0.4552**, and the grayscale version is **25.1636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5841, 0.3483, 0.2411**, and **12.5753, 0.4562, 0.2287** is the 20% darker color. If you saturate the color by 10%, you get **25.6102, 0.4497, 0.2393**, and if you desaturate by 10%, it is **33.1716, 0.4032, 0.2490**.

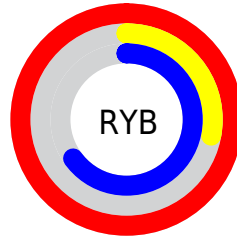
Distribution



Red (100%)

Green (28%)

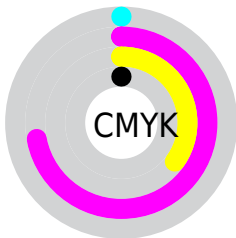
Blue (65%)



Red (100%)

Yellow (28%)

Blue (65%)

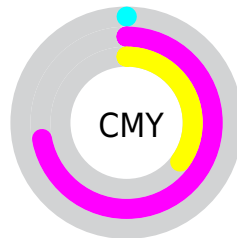


Cyan (0%)

Magenta (72%)

Yellow (35%)

Black (0%)



Cyan (0%)


Magenta (72%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6848, 0.4259, 0.2418 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 28.6848, 0.4259, 0.2418 by changing the saturation by 10% instead.


 28.6848, 0.4259,
0.2418


 28.6848, 0.4259,
0.2418


295.7248, 0.3667,
0.2860


 18.8425, 0.4414,
0.2307


 57.5759, 0.4038,
0.2579


 11.5565, 0.4617,
0.2165


 77.3935, 0.3957,
0.2640

 6.4425, 0.4893,
0.1978


 101.3050, 0.3889,
0.2691

 3.1160, 0.5285,
0.1721

 129.6948, 0.3831,
0.2734

 1.1926, 0.5880,
0.1355

162.9473, 0.3781,
0.2772

 0.0556, 0.7350,
0.0171

201.4469, 0.3738,

 0.0000, 1.0000,

0.2805

0.0000

245.5779, 0.3700,
0.2834

■ 0.0000, 0.0000,
0.0000

■ 28.6848, 0.4259,
0.2418

■ 28.6848, 0.4259,
0.2418

■ 25.6102, 0.4497,
0.2393

■ 33.1716, 0.4032,
0.2490

■ 23.7606, 0.4732,
0.2422

■ 39.2175, 0.3824,
0.2595


■ 22.9304, 0.4919,
0.2484

■ 46.9558, 0.3640,
0.2722

■ 56.5044, 0.3481,
0.2860

■ 67.9704, 0.3347,
0.3000

 81.4525, 0.3235,
0.3137

 97.0424, 0.3142,
0.3268

99.9959, 0.3127,
0.3290

Harmonies

Analogous

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



28.6848, 0.2970, 0.1895



28.6848, 0.4259, 0.2418



28.6848, 0.5270, 0.3100

Triad

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



28.6848, 0.4259, 0.2418



28.6848, 0.3952, 0.5450



28.6848, 0.1213, 0.2022

Complementary

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



28.6848, 0.4259, 0.2418



75.4258, 0.2703, 0.4552

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.



28.6848, 0.1351, 0.2926



28.6848, 0.4259, 0.2418



28.6848, 0.2874, 0.5516

Square

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



28.6848, 0.4259, 0.2418



28.6848, 0.4905, 0.4691



28.6848, 0.1914, 0.4381



28.6848, 0.1416, 0.1644

Rectangle

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



28.6848, 0.4259, 0.2418



28.6848, 0.5495, 0.3596



28.6848, 0.1914, 0.4381



28.6848, 0.1219, 0.2255

Sweetspot

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



28.6864, 0.4259, 0.2418



67.6629, 0.3350, 0.2997



19.0701, 0.2292, 0.1272



13.7782, 0.3385, 0.2959



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.



28.6864, 0.4259, 0.2418



24.6896, 0.4598, 0.2399



26.4494, 0.5523, 0.3251



18.1445, 0.3212, 0.3167



12.0143, 0.4884, 0.2464



1.1919, 0.4640, 0.2330

Inverse Universe

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



28.6864, 0.4259, 0.2418



24.6896, 0.4598, 0.2399



79.7179, 0.2340, 0.3361



18.1445, 0.3212, 0.3167



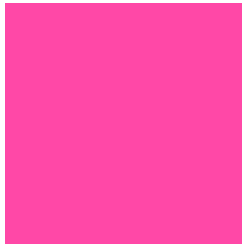
12.0143, 0.4884, 0.2464



1.1919, 0.4640, 0.2330

Previews

White Background



This preview shows how the Yxy color 28.6848, 0.4259, 0.2418 looks on a white background.

Color Contrast Check

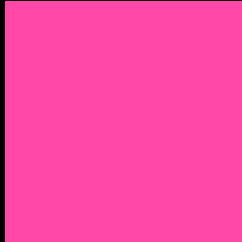
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6848, 0.4259, 0.2418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

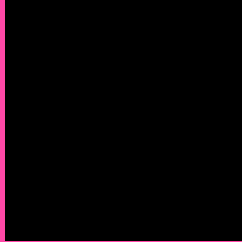
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.6848, 0.4259, 0.2418

Background



This preview shows how black text looks on a background with the Yxy color 28.6848, 0.4259, 0.2418.



This preview shows how white text looks on a background with the Yxy color 28.6848, 0.4259, 0.2418.

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

28.6848, 0.4259, 0.2418

Protanopia

29.0420, 0.2367, 0.2262

Deuteranopia

28.7832, 0.3107, 0.3046



Tritanopia

28.6507, 0.5137, 0.3251

Trichromacy



Original Color

28.6848, 0.4259, 0.2418



Protanomaly

25.5801, 0.2880, 0.2216



Deuteranomaly

26.3722, 0.3510, 0.2701



Tritanomaly

28.4412, 0.4842, 0.2941

Monochromacy



Original Color

28.6848, 0.4259, 0.2418



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

24.0283, 0.3547, 0.2794

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6848, 0.4259, 0.2418 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, 72, 167)` looks like.

```
.text, #text, p{  
    color:rgb(255, 72, 167)  
}
```

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, 72, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 72, 167) }
```

Border

The CSS property to change the border of an element to Yxy 28.6848, 0.4259, 0.2418 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, 72, 167) }
```

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

```
.border{ border-color:rgb(255, 72, 167) }
```

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

Here you see how a box with a 4 pixel rgb(255, 72, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 72, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 72, 167);  
box-shadow:4px 4px 4px 4px rgb(255, 72,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6848, 0.4259, 0.2418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 72, 167) }
```

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

```
.background{ background-color: rgb(255, 72,  
167) }
```

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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