

Converting Colors

$Y_{xy}(47.6330, 0.4965, 0.2712)$

Have a look what the booklet for
Yxy(47.6330, 0.4965, 0.2712)
contains.

Yxy(28.6479, 0.4273, 0.2427)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.6479, 0.4273, 0.2427)

Conversions

Conversions Part 1

Format	Color
Hex	FF48A6
RGB	255, 72, 166
RGB Percent	100%, 28%, 65%
CMY	0.0000, 0.7175, 0.3490
CMYK	0.00, 0.72, 0.35, 0.00
HSL	329°, 100%, 64%
HSV	329°, 72%, 100%
XYZ	50.4378, 28.6479, 38.9526
YIQ	137.4330, 78.8940, 68.0300

Conversions

Conversions Part 2

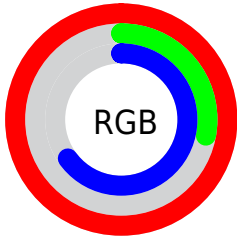
Format	Color
R_{YB}	255, 72, 166
Decimal	16730278
CIE _{Lab}	60.47, 75.19, -10.13
CIE _{LCh}	60, 75.871, 352.324
Yxy	28.6479, 0.4273, 0.2427
Android (android.graphics.Color)	4294920358 (0xFFFF48A6)
YUV	137.4330, 14.0835, 103.1063
Hunter-Lab	53.5237, 74.5419, -5.6825

Details

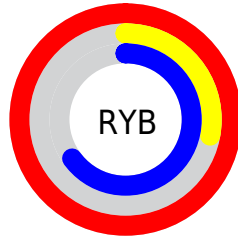
The Yxy color **28.6479, 0.4273, 0.2427** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **75.4644, 0.2699, 0.4539**, and the grayscale version is **25.1166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5307, 0.3493, 0.2420**, and **12.5524, 0.4584, 0.2299** is the 20% darker color. If you saturate the color by 10%, you get **25.5733, 0.4514, 0.2403**, and if you desaturate by 10%, it is **33.1354, 0.4043, 0.2497**.

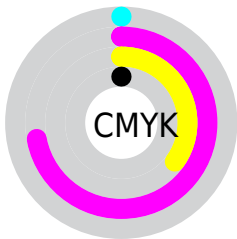
Distribution



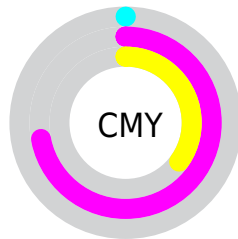
- Red (100%)
- Green (28%)
- Blue (65%)



- 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 28.6479, 0.4273, 0.2427 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 28.6479, 0.4273, 0.2427 by changing the saturation by 10% instead.

 28.6479, 0.4273,
0.2427


 28.6479, 0.4273,
0.2427


295.5500, 0.3672,
0.2865

 18.8146, 0.4431,
0.2317


 57.5172, 0.4049,
0.2587


 11.5364, 0.4637,
0.2175


 77.3220, 0.3966,
0.2647

 6.4289, 0.4917,
0.1988


 101.2195, 0.3897,
0.2698

 3.1076, 0.5317,
0.1731

 129.5939, 0.3839,
0.2741

 1.1881, 0.5923,
0.1365

162.8298, 0.3788,
0.2778

 0.0520, 0.7440,
0.0163

201.3115, 0.3745,

 0.0000, 1.0000,

0.2811

0.0000

245.4235, 0.3706,
0.2840

■ 0.0000, 0.0000,
0.0000

■ 28.6479, 0.4273,
0.2427

■ 28.6479, 0.4273,
0.2427

■ 25.5733, 0.4514,
0.2403

■ 33.1354, 0.4043,
0.2497

■ 23.7245, 0.4753,
0.2434


■ 39.1829, 0.3832,
0.2602


■ 22.8960, 0.4942,
0.2496

■ 46.9239, 0.3646,
0.2728

■ 56.4761, 0.3485,
0.2864

■ 67.9467, 0.3349,
0.3003

 81.4344, 0.3236,
0.3139

 97.0314, 0.3142,
0.3268

99.9977, 0.3127,
0.3290

Harmonies

Analogous

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



28.6479, 0.2986, 0.1901



28.6479, 0.4273, 0.2427



28.6479, 0.5275, 0.3110

Triad

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



28.6479, 0.4273, 0.2427



28.6479, 0.3939, 0.5453



28.6479, 0.1216, 0.2016

Complementary

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



28.6479, 0.4273, 0.2427



75.4644, 0.2699, 0.4539

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.



28.6479, 0.1350, 0.2912



28.6479, 0.4273, 0.2427



28.6479, 0.2862, 0.5505

Square

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



28.6479, 0.4273, 0.2427



28.6479, 0.4893, 0.4701



28.6479, 0.1906, 0.4360



28.6479, 0.1423, 0.1644

Rectangle

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



28.6479, 0.4273, 0.2427



28.6479, 0.5492, 0.3606



28.6479, 0.1906, 0.4360



28.6479, 0.1220, 0.2247

Sweetspot

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



28.6495, 0.4273, 0.2427



67.6466, 0.3353, 0.3000



19.3782, 0.2318, 0.1285



13.7744, 0.3387, 0.2962



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.



28.6495, 0.4273, 0.2427



24.6529, 0.4616, 0.2409



26.4049, 0.5559, 0.3275



18.1429, 0.3213, 0.3169



11.9952, 0.4906, 0.2476



1.1900, 0.4660, 0.2341

Inverse Universe

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



28.6495, 0.4273, 0.2427



24.6529, 0.4616, 0.2409



79.9155, 0.2329, 0.3324



18.1429, 0.3213, 0.3169



11.9952, 0.4906, 0.2476



1.1900, 0.4660, 0.2341

Previews

White Background



This preview shows how the Yxy color 28.6479, 0.4273, 0.2427 looks on a white background.

Color Contrast Check

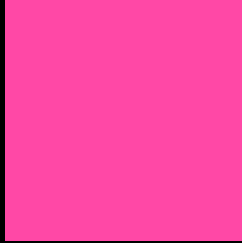
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6479, 0.4273, 0.2427 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 28.6479, 0.4273, 0.2427

Background



This preview shows how black text looks on a background with the Yxy color 28.6479, 0.4273, 0.2427.



This preview shows how white text looks on a background with the Yxy color 28.6479, 0.4273, 0.2427.

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

28.6479, 0.4273, 0.2427

Protanopia

29.0638, 0.2380, 0.2275

Deuteranopia

28.7489, 0.3117, 0.3061



Tritanopia

28.6507, 0.5137, 0.3251

Trichromacy



Original Color

28.6479, 0.4273, 0.2427



Protanomaly

25.6460, 0.2900, 0.2230



Deuteranomaly

26.3370, 0.3522, 0.2713



Tritanomaly

28.4166, 0.4857, 0.2951

Monochromacy



Original Color

28.6479, 0.4273, 0.2427



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

23.6517, 0.3550, 0.2792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6479, 0.4273, 0.2427 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 72, 166)  
}
```

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, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 72, 166) }
```

Border

The CSS property to change the border of an element to Yxy 28.6479, 0.4273, 0.2427 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, 166) }
```

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

```
.border{ border-color:rgb(255, 72, 166) }
```

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, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 72, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 72, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 72,  
166) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 28.6479, 0.4273, 0.2427$ 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, 166) }
```

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

```
.background{ background-color: rgb(255, 72,  
166) }
```

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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