

Converting Colors

$Y_{xy}(28.7930, 0.4190, 0.2368)$

Have a look what the booklet for
Yxy(28.7930, 0.4190, 0.2368)
contains.

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Color

Yxy(28.7450, 0.4190, 0.2364)

Conversions

Conversions Part 1

Format	Color
Hex	FF47AC
RGB	255, 71, 172
RGB Percent	100%, 28%, 67%
CMY	0.0000, 0.7217, 0.3254
CMYK	0.00, 0.72, 0.33, 0.00
HSL	327°, 100%, 64%
HSV	327°, 72%, 100%
XYZ	50.9482, 28.7450, 41.9016
YIQ	137.5300, 77.2430, 70.4190

Conversions

Conversions Part 2

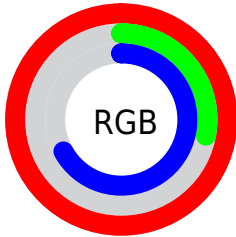
Format	Color
RYB	255, 71, 172
Decimal	16730028
CIELab	60.56, 76.18, -13.48
CIELCh	61, 77.364, 349.964
Yxy	28.7450, 0.4190, 0.2364
Android (android.graphics.Color)	4294920108 (0xFFFF47AC)
YUV	137.5300, 16.9937, 103.0212
Hunter-Lab	53.6144, 75.7983, -8.8072

Details

The Yxy color **28.7450, 0.4190, 0.2364** 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 **75.1897, 0.2726, 0.4638**, and the grayscale version is **25.1322, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5811, 0.3436, 0.2358**, and **12.6935, 0.4456, 0.2229** is the 20% darker color. If you saturate the color by 10%, you get **25.7289, 0.4408, 0.2334**, and if you desaturate by 10%, it is **33.1516, 0.3980, 0.2440**.

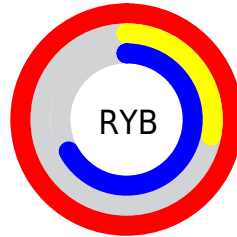
Distribution



Red (100%)

Green (28%)

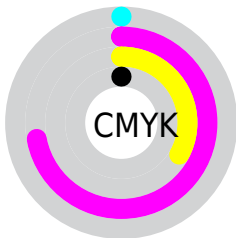
Blue (67%)



Red (100%)

Yellow (28%)

Blue (67%)

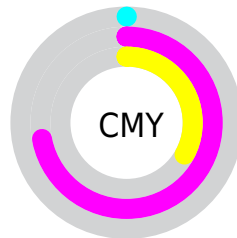


Cyan (0%)

Magenta (72%)

Yellow (33%)

Black (0%)



Cyan (0%)


Magenta (72%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7450, 0.4190, 0.2364 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 28.7450, 0.4190, 0.2364 by changing the saturation by 10% instead.

 28.7450, 0.4190,
0.2364


 28.7450, 0.4190,
0.2364


296.0099, 0.3638,
0.2828


 18.8880, 0.4333,
0.2249


 57.6717, 0.3985,
0.2532

 11.5894, 0.4520,
0.2103


 77.5102, 0.3909,
0.2596

 6.4647, 0.4772,
0.1912


 101.4446, 0.3846,
0.2649

 3.1297, 0.5128,
0.1653

 129.8594, 0.3792,
0.2695

 1.1998, 0.5664,
0.1290

163.1389, 0.3745,
0.2735

 0.0615, 0.6950,
0.0175

201.6676, 0.3705,

 0.0000, 1.0000,

0.2770

0.0000

245.8298, 0.3669,
0.2801

■ 0.0000, 0.0000,
0.0000

■ 28.7450, 0.4190,
0.2364

■ 28.7450, 0.4190,
0.2364

■ 25.7289, 0.4408,
0.2334

■ 33.1516, 0.3980,
0.2440

■ 23.9298, 0.4625,
0.2359

■ 39.1117, 0.3787,
0.2552


■ 23.1540, 0.4789,
0.2412

■ 46.7540, 0.3615,
0.2685

■ 56.1969, 0.3466,
0.2830

■ 67.5474, 0.3339,
0.2978

 80.9047, 0.3233,
0.3123

 96.3605, 0.3144,
0.3261

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.



28.7450, 0.2887, 0.1851



28.7450, 0.4190, 0.2364



28.7450, 0.5259, 0.3044

Triad

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



28.7450, 0.4190, 0.2364



28.7450, 0.4025, 0.5439



28.7450, 0.1190, 0.2044

Complementary

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



28.7450, 0.4190, 0.2364



75.1897, 0.2726, 0.4638

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.



28.7450, 0.1352, 0.3001



28.7450, 0.4190, 0.2364



28.7450, 0.2936, 0.5592

Square

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



28.7450, 0.4190, 0.2364



28.7450, 0.4976, 0.4642



28.7450, 0.1948, 0.4503



28.7450, 0.1373, 0.1637

Rectangle

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



28.7450, 0.4190, 0.2364



28.7450, 0.5525, 0.3541



28.7450, 0.1948, 0.4503



28.7450, 0.1202, 0.2291

Sweetspot

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



28.7415, 0.4190, 0.2364



67.7574, 0.3337, 0.2980



18.5709, 0.2260, 0.1250



13.8005, 0.3370, 0.2940



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.



28.7415, 0.4190, 0.2364



24.7215, 0.4514, 0.2339



26.3439, 0.5506, 0.3227



18.1540, 0.3208, 0.3160



12.1290, 0.4756, 0.2394



1.2030, 0.4531, 0.2270

Inverse Universe

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



28.7415, 0.4190, 0.2364



24.7215, 0.4514, 0.2339



79.4998, 0.2349, 0.3398



18.1540, 0.3208, 0.3160



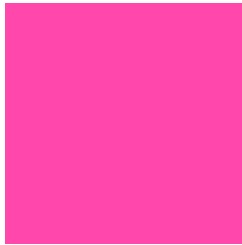
12.1290, 0.4756, 0.2394



1.2030, 0.4531, 0.2270

Previews

White Background



This preview shows how the Yxy color 28.7450, 0.4190, 0.2364 looks on a white background.

Color Contrast Check

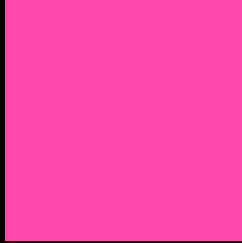
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7450, 0.4190, 0.2364 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 28.7450, 0.4190, 0.2364

Background



This preview shows how black text looks on a background with the Yxy color 28.7450, 0.4190, 0.2364.



This preview shows how white text looks on a background with the Yxy color 28.7450, 0.4190, 0.2364.

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

28.7450, 0.4190, 0.2364

Protanopia

29.1258, 0.2301, 0.2178

Deuteranopia

28.7269, 0.3048, 0.2985



Tritanopia

28.6571, 0.5109, 0.3250

Trichromacy



Original Color

28.7450, 0.4190, 0.2364



Protanomaly

25.4070, 0.2805, 0.2134



Deuteranomaly

26.1911, 0.3441, 0.2622



Tritanomaly

28.3051, 0.4805, 0.2919

Monochromacy



Original Color

28.7450, 0.4190, 0.2364



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

24.0604, 0.3534, 0.2781

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7450, 0.4190, 0.2364 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, 71, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 71, 172)  
}
```

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, 71, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 71, 172) }
```

Border

The CSS property to change the border of an element to Yxy 28.7450, 0.4190, 0.2364 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, 71, 172) }
```

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

```
.border{ border-color:rgb(255, 71, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 71, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 71, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 71, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 71,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7450, 0.4190, 0.2364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 71, 172) }
```

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

```
.background{ background-color: rgb(255, 71,  
172) }
```

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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