

Converting Colors

$Y_{xy}(28.7022, 0.4224, 0.2390)$

Have a look what the booklet for
Yxy(28.7022, 0.4224, 0.2390)
contains.

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Color

Yxy(28.6688, 0.4218, 0.2383)

Conversions

Conversions Part 1

Format	Color
Hex	FF47AA
RGB	255, 71, 170
RGB Percent	100%, 28%, 67%
CMY	0.0001, 0.7214, 0.3333
CMYK	0.00, 0.72, 0.33, 0.00
HSL	328°, 100%, 64%
HSV	328°, 72%, 100%
XYZ	50.7449, 28.6688, 40.8918
YIQ	137.3020, 77.8850, 69.7970

Conversions

Conversions Part 2

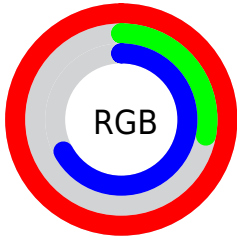
Format	Color
RYB	255, 71, 170
Decimal	16730026
CIELab	60.49, 75.93, -12.42
CIELCh	60, 76.940, 350.710
Yxy	28.6688, 0.4218, 0.2383
Android (android.graphics.Color)	4294920106 (0xFFFF47AA)
YUV	137.3020, 16.1201, 103.2211
Hunter-Lab	53.5433, 75.4701, -7.8004

Details

The Yxy color **28.6688, 0.4218, 0.2383** 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 **75.2513, 0.2717, 0.4609**, and the grayscale version is **25.0582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4713, 0.3455, 0.2376**, and **12.6455, 0.4499, 0.2252** is the 20% darker color. If you saturate the color by 10%, you get **25.6513, 0.4444, 0.2356**, and if you desaturate by 10%, it is **33.0888, 0.4002, 0.2457**.

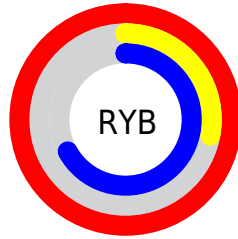
Distribution



Red (100%)

Green (28%)

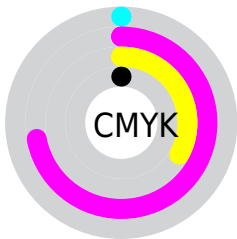
Blue (67%)



Red (100%)

Yellow (28%)

Blue (67%)

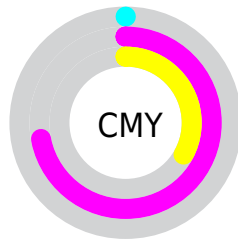


Cyan (0%)

Magenta (72%)

Yellow (33%)

Black (0%)



Cyan (0%)


Magenta (72%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6688, 0.4218, 0.2383 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 28.6688, 0.4218, 0.2383 by changing the saturation by 10% instead.


 28.6688, 0.4218,
0.2383


 28.6688, 0.4218,
0.2383


295.6490, 0.3650,
0.2840

 18.8304, 0.4366,
0.2269


 57.5505, 0.4007,
0.2549


 11.5478, 0.4559,
0.2125


 77.3625, 0.3929,
0.2611

 6.4366, 0.4821,
0.1934


 101.2679, 0.3863,
0.2664

 3.1123, 0.5192,
0.1676

 129.6511, 0.3808,
0.2709

 1.1906, 0.5752,
0.1311

162.8964, 0.3760,
0.2748

 0.0540, 0.7111,
0.0159

201.3882, 0.3718,


 0.0000, 1.0000,


0.2783


0.0000


245.5110, 0.3682,
0.2813

 0.0000, 0.0000,
0.0000


 28.6688, 0.4218,
0.2383

 28.6688, 0.4218,
0.2383


 25.6513, 0.4444,
0.2356


 33.0888, 0.4002,
0.2457


 23.8478, 0.4667,
0.2383


 39.0593, 0.3803,
0.2566


 23.0685, 0.4837,
0.2438

 46.7140, 0.3626,
0.2697

 56.1712, 0.3474,
0.2839

 67.5381, 0.3344,
0.2984

 80.9137, 0.3235,
0.3126

 96.3900, 0.3144,
0.3262

99.9969, 0.3127,
0.3290

Harmonies

Analogous

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



28.6688, 0.2918, 0.1865



28.6688, 0.4218, 0.2383



28.6688, 0.5267, 0.3065

Triad

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



28.6688, 0.4218, 0.2383



28.6688, 0.3998, 0.5446



28.6688, 0.1196, 0.2033

Complementary

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



28.6688, 0.4218, 0.2383



75.2513, 0.2717, 0.4609

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.



28.6688, 0.1349, 0.2971



28.6688, 0.4218, 0.2383



28.6688, 0.2912, 0.5568

Square

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



28.6688, 0.4218, 0.2383



28.6688, 0.4951, 0.4662



28.6688, 0.1933, 0.4459



28.6688, 0.1387, 0.1637

Rectangle

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



28.6688, 0.4218, 0.2383



28.6688, 0.5517, 0.3561



28.6688, 0.1933, 0.4459



28.6688, 0.1206, 0.2275

Sweetspot

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



28.6703, 0.4218, 0.2383



67.7227, 0.3342, 0.2986



18.5815, 0.2261, 0.1251



13.7923, 0.3375, 0.2947



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.



28.6703, 0.4218, 0.2383



24.6399, 0.4553, 0.2362



26.3505, 0.5505, 0.3227



18.1505, 0.3209, 0.3163



12.0861, 0.4803, 0.2420



1.1989, 0.4571, 0.2292

Inverse Universe

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



28.6703, 0.4218, 0.2383



24.6399, 0.4553, 0.2362



79.4912, 0.2349, 0.3398



18.1505, 0.3209, 0.3163



12.0861, 0.4803, 0.2420



1.1989, 0.4571, 0.2292

Previews

White Background



This preview shows how the Yxy color 28.6688, 0.4218, 0.2383 looks on a white background.

Color Contrast Check

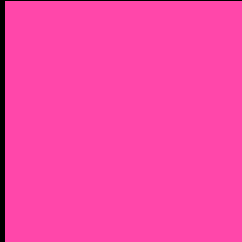
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6688, 0.4218, 0.2383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

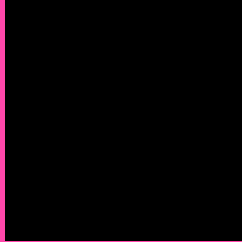
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.6688, 0.4218, 0.2383

Background



This preview shows how black text looks on a background with the Yxy color 28.6688, 0.4218, 0.2383.



This preview shows how white text looks on a background with the Yxy color 28.6688, 0.4218, 0.2383.

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

28.6688, 0.4218, 0.2383

Protanopia

29.1069, 0.2331, 0.2214

Deuteranopia

28.7541, 0.3077, 0.3015



Tritanopia

28.6692, 0.5124, 0.3241

Trichromacy



Original Color

28.6688, 0.4218, 0.2383



Protanomaly

25.4219, 0.2833, 0.2157



Deuteranomaly

26.2475, 0.3476, 0.2650



Tritanomaly

28.4913, 0.4814, 0.2921

Monochromacy



Original Color

28.6688, 0.4218, 0.2383



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

23.6835, 0.3537, 0.2778

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6688, 0.4218, 0.2383 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 71, 170)  
}
```

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, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 71, 170) }
```

Border

The CSS property to change the border of an element to Yxy 28.6688, 0.4218, 0.2383 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, 170) }
```

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

```
.border{ border-color:rgb(255, 71, 170) }
```

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, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 71, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 71, 170); box-shadow:4px 4px 4px 4px rgb(255, 71, 170) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6688, 0.4218, 0.2383 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, 170) }
```

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

```
.background{ background-color: rgb(255, 71,  
170) }
```

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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