

Converting Colors

$Y_{xy}(29.7491, 0.4084, 0.2338)$

Have a look what the booklet for
Yxy(29.7491, 0.4084, 0.2338)
contains.

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Color

Yxy(29.8224, 0.4080, 0.2339)

Conversions

Conversions Part 1

Format	Color
Hex	FF4DB3
RGB	255, 77, 179
RGB Percent	100%, 30%, 70%
CMY	0.0001, 0.6978, 0.2981
CMYK	0.00, 0.70, 0.30, 0.00
HSL	326°, 100%, 65%
HSV	326°, 70%, 100%
XYZ	52.0203, 29.8224, 45.6580
YIQ	141.8500, 73.3460, 69.4580

Conversions

Conversions Part 2

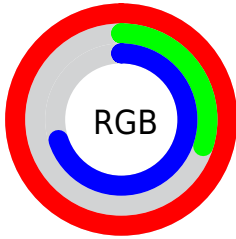
Format	Color
R_{YB}	255, 77, 179
Decimal	16731571
CIE _{Lab}	61.50, 74.94, -16.08
CIE _{LCh}	62, 76.642, 347.892
Yxy	29.8224, 0.4080, 0.2339
Android (android.graphics.Color)	4294921651 (0xFFFF4DB3)
YUV	141.8500, 18.3150, 99.2326
Hunter-Lab	54.6099, 74.4681, -11.3440

Details

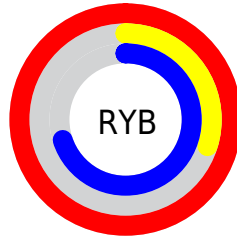
The Yxy color **29.8224, 0.4080, 0.2339** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light washed rose. A complement of this color would be **75.3790, 0.2746, 0.4644**, and the grayscale version is **26.9021, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4351, 0.3355, 0.2334**, and **12.9757, 0.4346, 0.2168** is the 20% darker color. If you saturate the color by 10%, you get **26.5017, 0.4283, 0.2292**, and if you desaturate by 10%, it is **34.5785, 0.3887, 0.2430**.

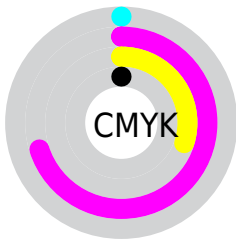
Distribution



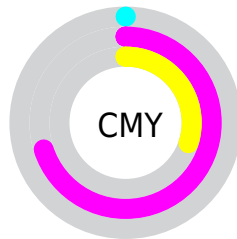
- Red (100%)
- Green (30%)
- Blue (70%)



- Red (100%)
- Yellow (30%)
- Blue (70%)



- Cyan (0%)
- Magenta (70%)
- Yellow (30%)
- Black (0%)





- Cyan (0%)
- Magenta (70%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.8224, 0.4080, 0.2339 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 29.8224, 0.4080, 0.2339 by changing the saturation by 10% instead.


 29.8224, 0.4080,
0.2339


 29.8224, 0.4080,
0.2339


301.0757, 0.3591,
0.2810


 19.7038, 0.4205,
0.2224


 59.3812, 0.3900,
0.2508


 12.1799, 0.4366,
0.2080


 79.5902, 0.3833,
0.2572

 6.8663, 0.4583,
0.1892


 103.9315, 0.3777,
0.2627

 3.3787, 0.4885,
0.1639

 132.7894, 0.3729,
0.2674

 1.3325, 0.5335,
0.1291

166.5484, 0.3687,
0.2714

 0.1661, 0.6309,
0.0405

205.5929, 0.3651,

 0.0000, 0.9042,

0.2750

0.0000

250.3072, 0.3619,
0.2782

0.0000, 0.0000,
0.0000

29.8224, 0.4080,
0.2339

29.8224, 0.4080,
0.2339

26.5017, 0.4283,
0.2292

34.5785, 0.3887,
0.2430

24.4369, 0.4486,
0.2298

40.9119, 0.3711,
0.2553


23.3513, 0.4683,
0.2354

48.9525, 0.3554,
0.2695

23.3313, 0.4687,
0.2356

58.8155, 0.3419,
0.2847

70.6057, 0.3303,
0.3001

 84.4202, 0.3206,
0.3151

99.9934, 0.3127,
0.3290

Harmonies

Analogous

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



29.8224, 0.2814, 0.1847



29.8224, 0.4080, 0.2339



29.8224, 0.5166, 0.3005

Triad

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



29.8224, 0.4080, 0.2339



29.8224, 0.4092, 0.5361



29.8224, 0.1217, 0.2114

Complementary

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



29.8224, 0.4080, 0.2339



75.3790, 0.2746, 0.4644

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.



29.8224, 0.1407, 0.3100



29.8224, 0.4080, 0.2339



29.8224, 0.3022, 0.5565

Square

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



29.8224, 0.4080, 0.2339



29.8224, 0.5005, 0.4573



29.8224, 0.2030, 0.4577



29.8224, 0.1375, 0.1678

Rectangle

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



29.8224, 0.4080, 0.2339



29.8224, 0.5472, 0.3494



29.8224, 0.2030, 0.4577



29.8224, 0.1239, 0.2373

Sweetspot

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



29.8240, 0.4080, 0.2339



69.0771, 0.3316, 0.2982



19.1313, 0.2246, 0.1283



14.0603, 0.3347, 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.



29.8240, 0.4080, 0.2339



25.4954, 0.4369, 0.2288



27.3403, 0.5320, 0.3175



18.1616, 0.3204, 0.3155



12.2254, 0.4656, 0.2339



1.2122, 0.4445, 0.2222

Inverse Universe

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



29.8240, 0.4080, 0.2339



25.4954, 0.4369, 0.2288



79.3776, 0.2383, 0.3467



18.1616, 0.3204, 0.3155



12.2254, 0.4656, 0.2339



1.2122, 0.4445, 0.2222

Previews

White Background



This preview shows how the Yxy color 29.8224, 0.4080, 0.2339 looks on a white background.

Color Contrast Check

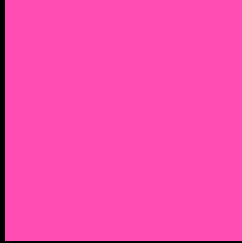
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8224, 0.4080, 0.2339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

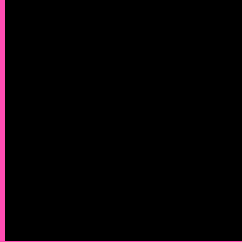
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8224, 0.4080, 0.2339

Background



This preview shows how black text looks on a background with the Yxy color 29.8224, 0.4080, 0.2339.

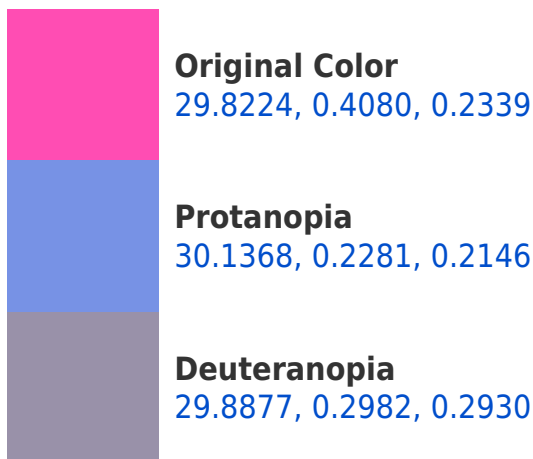


This preview shows how white text looks on a background with the Yxy color 29.8224, 0.4080, 0.2339.

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





Tritanopia

29.6684, 0.4999, 0.3239

Trichromacy



Original Color

29.8224, 0.4080, 0.2339



Protanomaly

26.7027, 0.2749, 0.2113



Deuteranomaly

27.3972, 0.3353, 0.2588



Tritanomaly

29.4603, 0.4676, 0.2898

Monochromacy



Original Color

29.8224, 0.4080, 0.2339



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

25.3907, 0.3487, 0.2774

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8224, 0.4080, 0.2339 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, 179)` looks like.

```
.text, #text, p{  
    color:rgb(255, 77, 179)  
}
```

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, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 77, 179) }
```

Border

The CSS property to change the border of an element to Yxy 29.8224, 0.4080, 0.2339 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, 179) }
```

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

```
.border{ border-color:rgb(255, 77, 179) }
```

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, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 77, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 77, 179);  
box-shadow:4px 4px 4px 4px rgb(255, 77,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8224, 0.4080, 0.2339 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, 179) }
```

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

```
.background{ background-color: rgb(255, 77,  
179) }
```

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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