

Converting Colors

$Y_{xy}(29.6377, 0.4121, 0.2362)$

Have a look what the booklet for
Yxy(29.6377, 0.4121, 0.2362)
contains.

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Color

Yxy(29.7023, 0.4121, 0.2366)

Conversions

Conversions Part 1

Format	Color
Hex	FF4DB0
RGB	255, 77, 176
RGB Percent	100%, 30%, 69%
CMY	0.0000, 0.6981, 0.3096
CMYK	0.00, 0.70, 0.31, 0.00
HSL	327°, 100%, 65%
HSV	327°, 70%, 100%
XYZ	51.7342, 29.7023, 44.1015
YIQ	141.5080, 74.3090, 68.5250

Conversions

Conversions Part 2

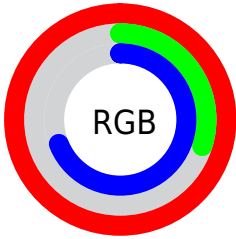
Format	Color
R _Y B	255, 77, 176
Decimal	16731568
CIE Lab	61.40, 74.64, -14.53
CIE LCh	61, 76.037, 348.980
Yxy	29.7023, 0.4121, 0.2366
Android (android.graphics.Color)	4294921648 (0xFFFF4DB0)
YUV	141.5080, 17.0046, 99.5325
Hunter-Lab	54.4998, 74.0673, -9.8279

Details

The Yxy color **29.7023, 0.4121, 0.2366** 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 **75.4964, 0.2733, 0.4605**, and the grayscale version is **26.7561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2632, 0.3383, 0.2360**, and **12.8994, 0.4407, 0.2202** is the 20% darker color. If you saturate the color by 10%, you get **26.3780, 0.4334, 0.2323**, and if you desaturate by 10%, it is **34.4634, 0.3919, 0.2453**.

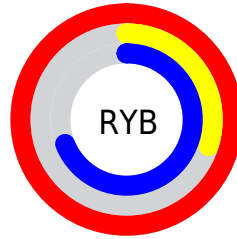
Distribution



Red (100%)

Green (30%)

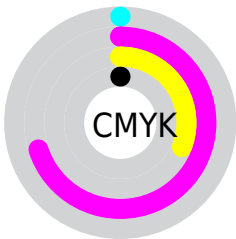
Blue (69%)



Red (100%)

Yellow (30%)

Blue (69%)

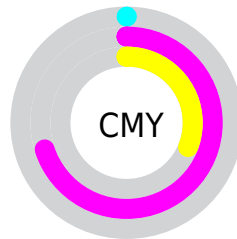


Cyan (0%)

Magenta (70%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (70%)

Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7023, 0.4121, 0.2366 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 29.7023, 0.4121, 0.2366 by changing the saturation by 10% instead.


 29.7023, 0.4121,
0.2366


 29.7023, 0.4121,
0.2366


300.5143, 0.3609,
0.2826


 19.6127, 0.4253,
0.2253


 59.1911, 0.3932,
0.2532


 12.1139, 0.4424,
0.2110


 79.3591, 0.3862,
0.2595

 6.8213, 0.4654,
0.1924


 103.6553, 0.3803,
0.2648

 3.3506, 0.4977,
0.1672

 132.4642, 0.3752,
0.2693

 1.3174, 0.5460,
0.1322

166.1702, 0.3709,
0.2733

 0.1546, 0.6525,
0.0396

205.1576, 0.3671,

 0.0000, 1.0000,

0.2768

0.0000

249.8108, 0.3638,
0.2799

■ 0.0000, 0.0000,
0.0000

■ 29.7023, 0.4121,
0.2366

■ 29.7023, 0.4121,
0.2366

■ 26.3780, 0.4334,
0.2323

■ 34.4634, 0.3919,
0.2453

■ 24.3123, 0.4548,
0.2333

■ 40.8051, 0.3734,
0.2573

■ 23.2270, 0.4754,
0.2393

■ 48.8569, 0.3571,
0.2711

■ 23.2096, 0.4758,
0.2395

■ 58.7341, 0.3430,
0.2859

■ 70.5419, 0.3310,
0.3009

 84.3773, 0.3209,
0.3154

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.



29.7023, 0.2857, 0.1868



29.7023, 0.4121, 0.2366



29.7023, 0.5179, 0.3034

Triad

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



29.7023, 0.4121, 0.2366



29.7023, 0.4053, 0.5373



29.7023, 0.1226, 0.2097

Complementary

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



29.7023, 0.4121, 0.2366



75.4964, 0.2733, 0.4605

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.



29.7023, 0.1402, 0.3056



29.7023, 0.4121, 0.2366



29.7023, 0.2987, 0.5535

Square

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



29.7023, 0.4121, 0.2366



29.7023, 0.4970, 0.4601



29.7023, 0.2007, 0.4515



29.7023, 0.1395, 0.1678

Rectangle

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



29.7023, 0.4121, 0.2366



29.7023, 0.5463, 0.3524



29.7023, 0.2007, 0.4515



29.7023, 0.1243, 0.2348

Sweetspot

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



29.7033, 0.4121, 0.2366



69.0269, 0.3323, 0.2991



19.4100, 0.2270, 0.1294



14.0484, 0.3355, 0.2950



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.



29.7033, 0.4121, 0.2366



25.3696, 0.4424, 0.2320



27.2861, 0.5359, 0.3200



18.1563, 0.3207, 0.3159



12.1581, 0.4726, 0.2377



1.2058, 0.4504, 0.2255

Inverse Universe

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



29.7033, 0.4121, 0.2366



25.3696, 0.4424, 0.2320



79.5767, 0.2372, 0.3431



18.1563, 0.3207, 0.3159



12.1581, 0.4726, 0.2377



1.2058, 0.4504, 0.2255

Previews

White Background



This preview shows how the Yxy color 29.7023, 0.4121, 0.2366 looks on a white background.

Color Contrast Check

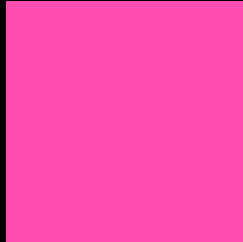
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7023, 0.4121, 0.2366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

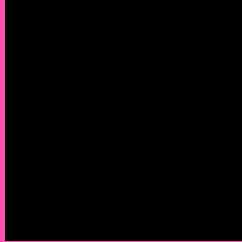
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7023, 0.4121, 0.2366

Background



This preview shows how black text looks on a background with the Yxy color 29.7023, 0.4121, 0.2366.



This preview shows how white text looks on a background with the Yxy color 29.7023, 0.4121, 0.2366.

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

29.7023, 0.4121, 0.2366

Protanopia

30.0590, 0.2315, 0.2191

Deuteranopia

29.9108, 0.3011, 0.2960



Tritanopia

29.6684, 0.4999, 0.3239

Trichromacy



Original Color

29.7023, 0.4121, 0.2366



Protanomaly

26.7258, 0.2802, 0.2159



Deuteranomaly

27.4116, 0.3399, 0.2628



Tritanomaly

29.4333, 0.4691, 0.2908

Monochromacy



Original Color

29.7023, 0.4121, 0.2366



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

25.3572, 0.3499, 0.2787

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7023, 0.4121, 0.2366 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 77, 176)  
}
```

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, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 77, 176) }
```

Border

The CSS property to change the border of an element to Yxy 29.7023, 0.4121, 0.2366 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, 176) }
```

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

```
.border{ border-color:rgb(255, 77, 176) }
```

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, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 77, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 77, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 77,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7023, 0.4121, 0.2366 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, 176) }
```

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

```
.background{ background-color: rgb(255, 77,  
176) }
```

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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