

Converting Colors

$Y_{xy}(29.4476, 0.3969, 0.2222)$

Have a look what the booklet for
Yxy(29.4476, 0.3969, 0.2222)
contains.

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Color

Yxy(29.3973, 0.3969, 0.2220)

Conversions

Conversions Part 1

Format	Color
Hex	FF47BC
RGB	255, 71, 188
RGB Percent	100%, 28%, 74%
CMY	0.0001, 0.7213, 0.2629
CMYK	0.00, 0.72, 0.26, 0.00
HSL	322°, 100%, 64%
HSV	322°, 72%, 100%
XYZ	52.5576, 29.3973, 50.4654
YIQ	139.3540, 72.1070, 75.3950

Conversions

Conversions Part 2

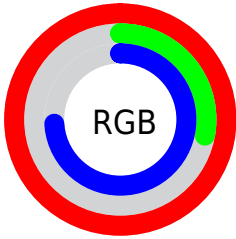
Format	Color
R_{YB}	255, 71, 188
Decimal	16730044
CIE _{Lab}	61.13, 77.94, -21.79
CIE _{LCh}	61, 80.925, 344.377
Yxy	29.3973, 0.3969, 0.2220
Android (android.graphics.Color)	4294920124 (0xFFFF47BC)
YUV	139.3540, 23.9825, 101.4215
Hunter-Lab	54.2193, 78.1457, -17.2315

Details

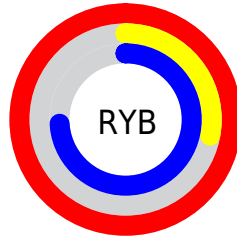
The Yxy color **29.3973, 0.3969, 0.2220** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light washed rose. A complement of this color would be **74.6755, 0.2791, 0.4854**, and the grayscale version is **25.8593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.8418, 0.3277, 0.2223**, and **13.2186, 0.4165, 0.2068** is the 20% darker color. If you saturate the color by 10%, you get **26.4162, 0.4135, 0.2172**, and if you desaturate by 10%, it is **33.7668, 0.3809, 0.2314**.

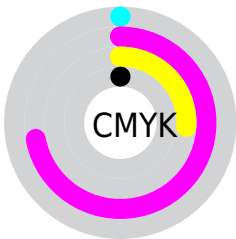
Distribution



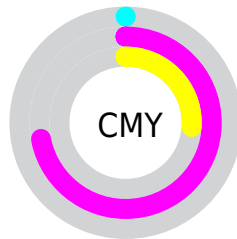
- Red (100%)
- Green (28%)
- Blue (74%)



- Red (100%)
- Yellow (28%)
- Blue (74%)



- Cyan (0%)
- Magenta (72%)
- Yellow (26%)
- Black (0%)




- Cyan (0%)
- Magenta (72%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3973, 0.3969, 0.2220 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 29.3973, 0.3969, 0.2220 by changing the saturation by 10% instead.


 29.3973, 0.3969,
0.2220


 29.3973, 0.3969,
0.2220

299.0849, 0.3545,
0.2741

 19.3816, 0.4075,
0.2096


 58.7077, 0.3815,
0.2405

 11.9463, 0.4209,
0.1941


 78.7712, 0.3757,
0.2476

 6.7071, 0.4387,
0.1743


 102.9528, 0.3708,
0.2536

 3.2796, 0.4631,
0.1482

 131.6367, 0.3666,
0.2588

 1.2794, 0.4982,
0.1133

165.2075, 0.3630,
0.2634

 0.1252, 0.5749,
0.0271

204.0496, 0.3598,

 0.0000, 0.6822,

0.2674

0.0000

248.5473, 0.3570,
0.2709

■ 0.0000, 0.0000,
0.0000

■ 29.3973, 0.3969,
0.2220

■ 29.3973, 0.3969,
0.2220

■ 26.4162, 0.4135,
0.2172

■ 33.7668, 0.3809,
0.2314

■ 24.6357, 0.4299,
0.2176


■ 39.6720, 0.3659,
0.2444

■ 23.8644, 0.4425,
0.2211

■ 47.2462, 0.3524,
0.2596

■ 56.6070, 0.3405,
0.2762

■ 67.8611, 0.3302,
0.2931

 81.1071, 0.3215,
0.3097

 96.4365, 0.3141,
0.3257

99.9929, 0.3127,
0.3290

Harmonies

Analogous

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



29.3973, 0.2654, 0.1742



29.3973, 0.3969, 0.2220



29.3973, 0.5185, 0.2890

Triad

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



29.3973, 0.3969, 0.2220



29.3973, 0.4230, 0.5366



29.3973, 0.1142, 0.2132

Complementary

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



29.3973, 0.3969, 0.2220



74.6755, 0.2791, 0.4854

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.



29.3973, 0.1375, 0.3242



29.3973, 0.3969, 0.2220



29.3973, 0.3122, 0.5749

Square

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



29.3973, 0.3969, 0.2220



29.3973, 0.5163, 0.4490



29.3973, 0.2067, 0.4847



29.3973, 0.1267, 0.1634

Rectangle

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



29.3973, 0.3969, 0.2220



29.3973, 0.5572, 0.3385



29.3973, 0.2067, 0.4847



29.3973, 0.1175, 0.2424

Sweetspot

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



29.3988, 0.3969, 0.2220



68.0338, 0.3301, 0.2933



16.9211, 0.2116, 0.1179



13.8659, 0.3327, 0.2887



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.



29.3988, 0.3969, 0.2220



25.4191, 0.4215, 0.2167



26.6635, 0.5265, 0.3070



18.1815, 0.3194, 0.3140



12.5035, 0.4399, 0.2197



1.2384, 0.4227, 0.2102

Inverse Universe

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



29.3988, 0.3969, 0.2220



25.4191, 0.4215, 0.2167



78.4057, 0.2420, 0.3630



18.1815, 0.3194, 0.3140



12.5035, 0.4399, 0.2197



1.2384, 0.4227, 0.2102

Previews

White Background



This preview shows how the Yxy color 29.3973, 0.3969, 0.2220 looks on a white background.

Color Contrast Check

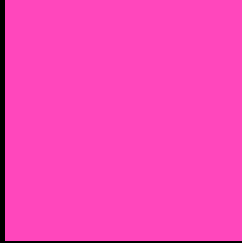
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3973, 0.3969, 0.2220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

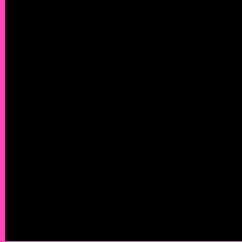
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.3973, 0.3969, 0.2220

Background



This preview shows how black text looks on a background with the Yxy color 29.3973, 0.3969, 0.2220.



This preview shows how white text looks on a background with the Yxy color 29.3973, 0.3969, 0.2220.

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

29.3973, 0.3969, 0.2220

Protanopia

29.9100, 0.2148, 0.1977

Deuteranopia

29.3639, 0.2845, 0.2780



Tritanopia

29.2815, 0.5010, 0.3239

Trichromacy



Original Color

29.3973, 0.3969, 0.2220



Protanomaly

25.8616, 0.2587, 0.1939



Deuteranomaly

26.5391, 0.3212, 0.2432



Tritanomaly

29.0191, 0.4662, 0.2852

Monochromacy



Original Color

29.3973, 0.3969, 0.2220



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

24.2927, 0.3447, 0.2687

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3973, 0.3969, 0.2220 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, 188)` looks like.

```
.text, #text, p{  
    color:rgb(255, 71, 188)  
}
```

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, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 71, 188) }
```

Border

The CSS property to change the border of an element to Yxy 29.3973, 0.3969, 0.2220 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, 188) }
```

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

```
.border{ border-color:rgb(255, 71, 188) }
```

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, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 71, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 71, 188);  
box-shadow:4px 4px 4px 4px rgb(255, 71,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3973, 0.3969, 0.2220 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, 188) }
```

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

```
.background{ background-color: rgb(255, 71,  
188) }
```

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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