

Converting Colors

$Y_{xy}(31.2330, 0.3976, 0.2330)$

Have a look what the booklet for
Yxy(31.2330, 0.3976, 0.2330)
contains.

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Color

Yxy(31.3022, 0.3971, 0.2330)

Conversions

Conversions Part 1

Format	Color
Hex	FF55BA
RGB	255, 85, 186
RGB Percent	100%, 33%, 73%
CMY	0.0001, 0.6666, 0.2705
CMYK	0.00, 0.67, 0.27, 0.00
HSL	324°, 100%, 67%
HSV	324°, 67%, 100%
XYZ	53.3481, 31.3022, 49.6939
YIQ	147.3440, 68.8990, 67.4510

Conversions

Conversions Part 2

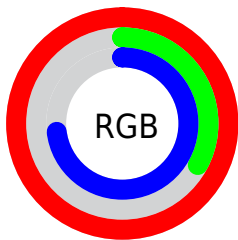
Format	Color
R _Y B	255, 85, 186
Decimal	16733626
CIE _{Lab}	62.76, 72.95, -18.19
CIE _{LCh}	63, 75.185, 346.000
Y _{xy}	31.3022, 0.3971, 0.2330
Android (android.graphics.Color)	4294923706 (0xFFFF55BA)
YUV	147.3440, 19.0574, 94.4143
Hunter-Lab	55.9484, 72.2943, -13.4981

Details

The Yxy color **31.3022, 0.3971, 0.2330** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted rose. A complement of this color would be **75.7744, 0.2766, 0.4623**, and the grayscale version is **29.2303, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.9216, 0.3287, 0.2337**, and **13.1628, 0.4205, 0.2090** is the 20% darker color. If you saturate the color by 10%, you get **27.5608, 0.4159, 0.2264**, and if you desaturate by 10%, it is **36.5243, 0.3794, 0.2437**.

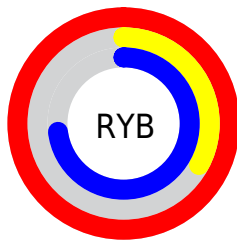
Distribution



Red (100%)

Green (33%)

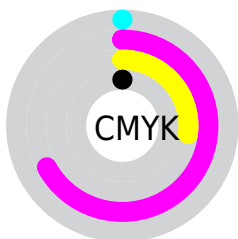
Blue (73%)



Red (100%)

Yellow (33%)

Blue (73%)

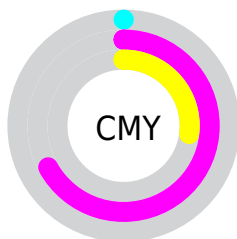


Cyan (0%)

Magenta (67%)

Yellow (27%)

Black (0%)



Cyan (0%)


Magenta (67%)

Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3022, 0.3971, 0.2330 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 31.3022, 0.3971, 0.2330 by changing the saturation by 10% instead.


 31.3022, 0.3971,
0.2330


 31.3022, 0.3971,
0.2330


307.9281, 0.3544,
0.2799


 20.8291, 0.4078,
0.2217


 61.7155, 0.3815,
0.2498


 12.9991, 0.4216,
0.2076


 82.4246, 0.3757,
0.2561

 7.4279, 0.4398,
0.1893


 107.3143, 0.3708,
0.2616

 3.7311, 0.4651,
0.1650

 136.7692, 0.3666,
0.2663

 1.5243, 0.5019,
0.1318

171.1736, 0.3629,
0.2703

 0.3058, 0.5730,
0.0633

210.9120, 0.3597,

 0.0000, 0.7211,

0.2739

0.0000

256.3687, 0.3569,
0.2771

■ 0.0000, 0.0000,
0.0000

■ 31.3022, 0.3971,
0.2330

■ 31.3022, 0.3971,
0.2330

■ 27.5608, 0.4159,
0.2264

■ 36.5243, 0.3794,
0.2437

■ 25.1309, 0.4350,
0.2248

■ 43.3624, 0.3634,
0.2572


■ 23.8077, 0.4536,
0.2286

■ 51.9418, 0.3492,
0.2723

■ 23.5079, 0.4597,
0.2306

■ 62.3741, 0.3369,
0.2881

■ 74.7615, 0.3265,
0.3040

 89.1986, 0.3177,
0.3193

99.9967, 0.3127,
0.3290

Harmonies

Analogous

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



31.3022, 0.2757, 0.1862



31.3022, 0.3971, 0.2330



31.3022, 0.5050, 0.2978

Triad

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



31.3022, 0.3971, 0.2330



31.3022, 0.4145, 0.5268



31.3022, 0.1265, 0.2197

Complementary

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



31.3022, 0.3971, 0.2330



75.7744, 0.2766, 0.4623

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.



31.3022, 0.1480, 0.3194



31.3022, 0.3971, 0.2330



31.3022, 0.3106, 0.5499

Square

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



31.3022, 0.3971, 0.2330



31.3022, 0.5008, 0.4506



31.3022, 0.2122, 0.4614



31.3022, 0.1399, 0.1736

Rectangle

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



31.3022, 0.3971, 0.2330



31.3022, 0.5387, 0.3457



31.3022, 0.2122, 0.4614



31.3022, 0.1294, 0.2462

Sweetspot

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



31.3038, 0.3971, 0.2330



70.4038, 0.3298, 0.2987



20.4932, 0.2271, 0.1351



14.3212, 0.3327, 0.2943



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.



31.3038, 0.3971, 0.2330



26.6147, 0.4223, 0.2253



28.7177, 0.5138, 0.3147



18.1683, 0.3201, 0.3150



12.3156, 0.4568, 0.2290



1.2208, 0.4370, 0.2181

Inverse Universe

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



31.3038, 0.3971, 0.2330



26.6147, 0.4223, 0.2253



79.6139, 0.2410, 0.3493



18.1683, 0.3201, 0.3150



12.3156, 0.4568, 0.2290



1.2208, 0.4370, 0.2181

Previews

White Background



This preview shows how the Yxy color 31.3022, 0.3971, 0.2330 looks on a white background.

Color Contrast Check

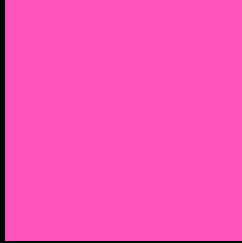
Large Text (above 18pt) WCAG AA × Fail

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 31.3022, 0.3971, 0.2330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

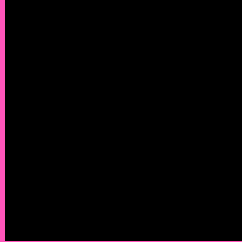
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.3022, 0.3971, 0.2330

Background



This preview shows how black text looks on a background with the Yxy color 31.3022, 0.3971, 0.2330.



This preview shows how white text looks on a background with the Yxy color 31.3022, 0.3971, 0.2330.

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

31.3022, 0.3971, 0.2330

Protanopia

31.5157, 0.2287, 0.2153

Deuteranopia

31.3227, 0.2931, 0.2865



Tritanopia

31.1881, 0.4851, 0.3227

Trichromacy



Original Color

31.3022, 0.3971, 0.2330



Protanomaly

28.4256, 0.2731, 0.2131



Deuteranomaly

29.0389, 0.3282, 0.2571



Tritanomaly

30.8936, 0.4547, 0.2888

Monochromacy



Original Color

31.3022, 0.3971, 0.2330



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

27.4276, 0.3439, 0.2783

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3022, 0.3971, 0.2330 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, 85, 186)` looks like.

```
.text, #text, p{  
    color:rgb(255, 85, 186)  
}
```

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, 85, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 85, 186) }
```

Border

The CSS property to change the border of an element to Yxy 31.3022, 0.3971, 0.2330 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, 85, 186) }
```

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

```
.border{ border-color:rgb(255, 85, 186) }
```

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

Here you see how a box with a 4 pixel rgb(255, 85, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 85, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 85, 186);  
box-shadow:4px 4px 4px 4px rgb(255, 85,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3022, 0.3971, 0.2330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 85, 186) }
```

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

```
.background{ background-color: rgb(255, 85,  
186) }
```

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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