

Converting Colors

$Y_{xy}(31.2120, 0.4004, 0.2427)$

Have a look what the booklet for
Yxy(31.2120, 0.4004, 0.2427)
contains.

Yxy(31.0608, 0.3999, 0.2421)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.0608, 0.3999, 0.2421)

Conversions

Conversions Part 1

Format	Color
Hex	FA5BB3
RGB	250, 91, 179
RGB Percent	98%, 36%, 70%
CMY	0.0195, 0.6432, 0.2981
CMYK	0.00, 0.64, 0.28, 0.02
HSL	327°, 94%, 67%
HSV	327°, 64%, 98%
XYZ	51.3061, 31.0608, 45.9305
YIQ	148.5730, 66.5160, 61.0760

Conversions

Conversions Part 2

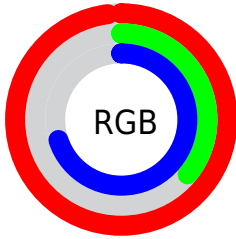
Format	Color
R _Y B	250, 91, 179
Decimal	16407475
CIE Lab	62.56, 68.50, -14.55
CIE LCh	63, 70.024, 348.008
Yxy	31.0608, 0.3999, 0.2421
Android (android.graphics.Color)	4294597555 (0xFFFA5BB3)
YUV	148.5730, 15.0005, 88.9515
Hunter-Lab	55.7322, 66.7927, -9.8500

Details

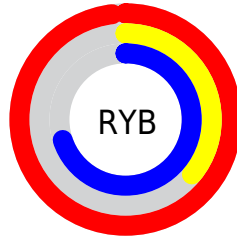
The Yxy color **31.0608, 0.3999, 0.2421** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted rose. A complement of this color would be **73.2172, 0.2742, 0.4459**, and the grayscale version is **29.7803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7531, 0.3346, 0.2435**, and **12.7909, 0.4259, 0.2180** is the 20% darker color. If you saturate the color by 10%, you get **27.0432, 0.4208, 0.2350**, and if you desaturate by 10%, it is **36.5413, 0.3806, 0.2529**.

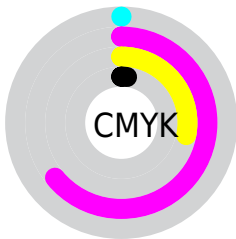
Distribution



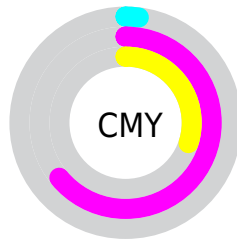
- Red (98%)
- Green (36%)
- Blue (70%)



- Red (98%)
- Yellow (36%)
- Blue (70%)



- Cyan (0%)
- Magenta (64%)
- Yellow (28%)
- Black (2%)




- Cyan (2%)
- Magenta (64%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0608, 0.3999, 0.2421 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 31.0608, 0.3999, 0.2421 by changing the saturation by 10% instead.


 31.0608, 0.3999,
0.2421


 31.0608, 0.3999,
0.2421


306.8183, 0.3552,
0.2852

 20.6451, 0.4113,
0.2315


 61.3358, 0.3834,
0.2576


 12.8649, 0.4261,
0.2182


 81.9639, 0.3773,
0.2635

 7.3356, 0.4460,
0.2007


 106.7650, 0.3722,
0.2685

 3.6728, 0.4739,
0.1771

 136.1234, 0.3678,
0.2728

 1.4923, 0.5156,
0.1439

170.4235, 0.3640,
0.2765

 0.2833, 0.6006,
0.0683

210.0498, 0.3607,

 0.0000, 0.8810,

0.2798

0.0000

255.3866, 0.3578,
0.2827

■ 0.0000, 0.0000,
0.0000

■ 31.0608, 0.3999,
0.2421

■ 31.0608, 0.3999,
0.2421

■ 27.0432, 0.4208,
0.2350

■ 36.5413, 0.3806,
0.2529

■ 24.3350, 0.4424,
0.2326

■ 43.6082, 0.3633,
0.2661


■ 22.7571, 0.4637,
0.2357

■ 52.3772, 0.3482,
0.2806

■ 22.1726, 0.4769,
0.2401

■ 62.9521, 0.3354,
0.2954

■ 75.4280, 0.3246,
0.3101

 89.8935, 0.3156,
0.3241

 99.0678, 0.3096,
0.3290

Harmonies

Analogous

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



31.0608, 0.2854, 0.1955



31.0608, 0.3999, 0.2421



31.0608, 0.4974, 0.3054

Triad

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



31.0608, 0.3999, 0.2421



31.0608, 0.4055, 0.5201



31.0608, 0.1352, 0.2224

Complementary

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



31.0608, 0.3999, 0.2421



73.2172, 0.2742, 0.4459

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.



31.0608, 0.1544, 0.3133



31.0608, 0.3999, 0.2421



31.0608, 0.3063, 0.5317

Square

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



31.0608, 0.3999, 0.2421



31.0608, 0.4880, 0.4525



31.0608, 0.2138, 0.4431



31.0608, 0.1501, 0.1802

Rectangle

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



31.0608, 0.3999, 0.2421



31.0608, 0.5264, 0.3521



31.0608, 0.2138, 0.4431



31.0608, 0.1376, 0.2468

Sweetspot

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



31.0624, 0.3999, 0.2421



71.5716, 0.3302, 0.3022



21.8477, 0.2363, 0.1455



14.5427, 0.3334, 0.2980



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.



31.0624, 0.3999, 0.2421



27.4622, 0.4261, 0.2339



28.7596, 0.5065, 0.3198



17.3860, 0.3207, 0.3160



11.7883, 0.4737, 0.2383



1.1132, 0.4503, 0.2255

Inverse Universe

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



31.0624, 0.3999, 0.2421



27.4622, 0.4261, 0.2339



76.8643, 0.2407, 0.3416



17.3860, 0.3207, 0.3160



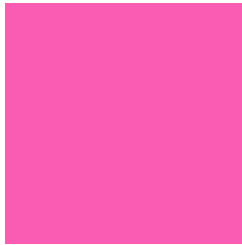
11.7883, 0.4737, 0.2383



1.1132, 0.4503, 0.2255

Previews

White Background



This preview shows how the Yxy color 31.0608, 0.3999, 0.2421 looks on a white background.

Color Contrast Check

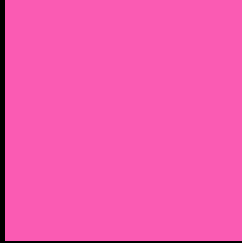
Large Text (above 18pt) WCAG AA × Fail

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 31.0608, 0.3999, 0.2421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

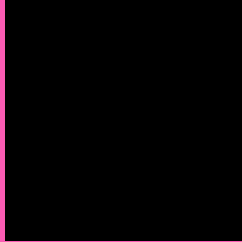
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.0608, 0.3999, 0.2421

Background



This preview shows how black text looks on a background with the Yxy color 31.0608, 0.3999, 0.2421.



This preview shows how white text looks on a background with the Yxy color 31.0608, 0.3999, 0.2421.

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

31.0608, 0.3999, 0.2421

Protanopia

31.3293, 0.2404, 0.2302

Deuteranopia

31.2882, 0.3004, 0.2951



Tritanopia

31.1428, 0.4757, 0.3224

Trichromacy



Original Color

31.0608, 0.3999, 0.2421



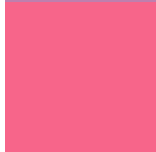
Protanomaly

28.7304, 0.2852, 0.2278



Deuteranomaly

29.3111, 0.3344, 0.2670



Tritanomaly

30.9165, 0.4490, 0.2916

Monochromacy



Original Color

31.0608, 0.3999, 0.2421



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

28.4155, 0.3443, 0.2851

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0608, 0.3999, 0.2421 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(250, 91, 179)` looks like.

```
.text, #text, p{  
    color:rgb(250, 91, 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(250, 91, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 91, 179) }
```

Border

The CSS property to change the border of an element to Yxy 31.0608, 0.3999, 0.2421 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(250, 91, 179) }
```

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

```
.border{ border-color:rgb(250, 91, 179) }
```

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

Here you see how a box with a 4 pixel rgb(250, 91, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 91, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 91, 179);  
box-shadow:4px 4px 4px 4px rgb(250, 91,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0608, 0.3999, 0.2421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 91, 179) }
```

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

```
.background{ background-color: rgb(250, 91,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor