

Converting Colors

$Y_{xy}(31.7875, 0.3573, 0.2001)$

Have a look what the booklet for
Yxy(31.7875, 0.3573, 0.2001)
contains.

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Color

Yxy(31.8233, 0.3575, 0.2005)

Conversions

Conversions Part 1

Format	Color
Hex	FF4EDB
RGB	255, 78, 219
RGB Percent	100%, 31%, 86%
CMY	0.0001, 0.6939, 0.1413
CMYK	0.00, 0.69, 0.14, 0.00
HSL	312°, 100%, 65%
HSV	312°, 69%, 100%
XYZ	56.7423, 31.8233, 70.1541
YIQ	146.9970, 60.2310, 81.3750

Conversions

Conversions Part 2

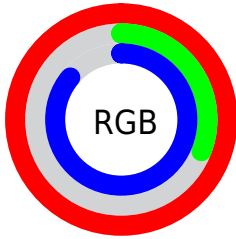
Format	Color
R _Y B	255, 78, 219
Decimal	16731867
CIE Lab	63.20, 79.65, -36.19
CIE LCh	63, 87.484, 335.561
Yxy	31.8233, 0.3575, 0.2005
Android (android.graphics.Color)	4294921947 (0xFFFF4EDB)
YUV	146.9970, 35.4975, 94.7186
Hunter-Lab	56.4121, 80.8234, -34.2445

Details

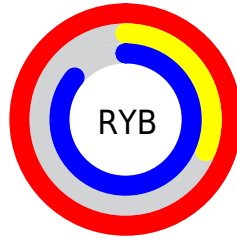
The Yxy color **31.8233, 0.3575, 0.2005** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **74.3444, 0.2905, 0.5150**, and the grayscale version is **29.0161, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.2362, 0.3179, 0.2187**, and **14.1497, 0.3645, 0.1781** is the 20% darker color. If you saturate the color by 10%, you get **28.6057, 0.3656, 0.1916**, and if you desaturate by 10%, it is **36.4562, 0.3494, 0.2137**.

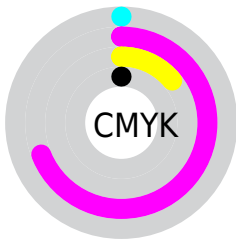
Distribution



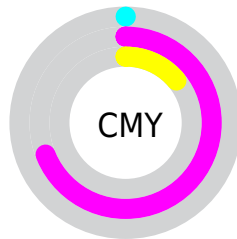
- Red (100%)
- Green (31%)
- Blue (86%)



- Red (100%)
- Yellow (31%)
- Blue (86%)



- Cyan (0%)
- Magenta (69%)
- Yellow (14%)
- Black (0%)





- Cyan (0%)
- Magenta (69%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8233, 0.3575, 0.2005 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 31.8233, 0.3575, 0.2005 by changing the saturation by 10% instead.


 31.8233, 0.3575,
0.2005


 31.8233, 0.3575,
0.2005


310.3135, 0.3375,
0.2602


 21.2266, 0.3618,
0.1871


 62.5340, 0.3508,
0.2211


 13.2897, 0.3668,
0.1708

 83.4167, 0.3481,
0.2291

 7.6283, 0.3728,
0.1507


 108.4969, 0.3457,
0.2361

 3.8581, 0.3799,
0.1255

 138.1589, 0.3437,
0.2421

 1.5945, 0.3879,
0.0937

172.7872, 0.3419,
0.2475

 0.3539, 0.4001,
0.0435

212.7662, 0.3402,

 0.0000, 0.4021,

0.2522

0.0000

258.4801, 0.3388,
0.2564

■ 0.0000, 0.2586,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.8233, 0.3575,
0.2005

■ 31.8233, 0.3575,
0.2005

■ 28.6057, 0.3656,
0.1916

■ 36.4562, 0.3494,
0.2137

■ 26.6260, 0.3735,
0.1874

■ 42.6449, 0.3417,
0.2303

■ 25.6213, 0.3811,
0.1875

■ 50.5180, 0.3344,
0.2492

■ 25.5725, 0.3815,
0.1875

■ 60.1896, 0.3278,
0.2694

71.7636, 0.3220,
0.2901

85.3362, 0.3169,
0.3105

99.9961, 0.3127,
0.3290

Harmonies

Analogous

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



31.8233, 0.2298, 0.1594



31.8233, 0.3575, 0.2005



31.8233, 0.4974, 0.2647

Triad

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



31.8233, 0.3575, 0.2005



31.8233, 0.4559, 0.5173



31.8233, 0.1099, 0.2333

Complementary

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



31.8233, 0.3575, 0.2005



74.3444, 0.2905, 0.5150

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.



31.8233, 0.1457, 0.3707



31.8233, 0.3575, 0.2005



31.8233, 0.3435, 0.5864

Square

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



31.8233, 0.3575, 0.2005



31.8233, 0.5438, 0.4229



31.8233, 0.2302, 0.5375



31.8233, 0.1132, 0.1666

Rectangle

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



31.8233, 0.3575, 0.2005



31.8233, 0.5567, 0.3138



31.8233, 0.2302, 0.5375



31.8233, 0.1168, 0.2705

Sweetspot

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



31.8249, 0.3575, 0.2005



69.7814, 0.3229, 0.2867



16.2137, 0.1973, 0.1157



14.2288, 0.3245, 0.2810



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.



31.8249, 0.3575, 0.2005



27.7635, 0.3685, 0.1895



28.3537, 0.4765, 0.2811



18.2333, 0.3169, 0.3103



13.3868, 0.3803, 0.1869



1.3187, 0.3722, 0.1824

Inverse Universe

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



31.8249, 0.3575, 0.2005



27.7635, 0.3685, 0.1895



77.3880, 0.2540, 0.3967



18.2333, 0.3169, 0.3103



13.3868, 0.3803, 0.1869



1.3187, 0.3722, 0.1824

Previews

White Background



This preview shows how the Yxy color 31.8233, 0.3575, 0.2005 looks on a white background.

Color Contrast Check

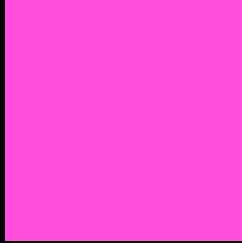
Large Text (above 18pt) WCAG AA × Fail

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 31.8233, 0.3575, 0.2005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

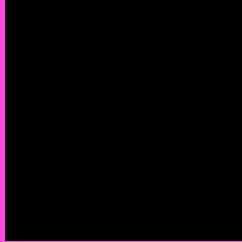
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.8233, 0.3575, 0.2005

Background



This preview shows how black text looks on a background with the Yxy color 31.8233, 0.3575, 0.2005.



This preview shows how white text looks on a background with the Yxy color 31.8233, 0.3575, 0.2005.

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

31.8233, 0.3575, 0.2005

Protanopia

32.2839, 0.2118, 0.1939

Deuteranopia

32.0056, 0.2542, 0.2483



Tritanopia

31.6107, 0.4719, 0.3223

Trichromacy



Original Color

31.8233, 0.3575, 0.2005



Protanomaly

28.5075, 0.2474, 0.1849



Deuteranomaly

28.8721, 0.2858, 0.2177



Tritanomaly

31.1750, 0.4317, 0.2737

Monochromacy



Original Color

31.8233, 0.3575, 0.2005



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

27.3753, 0.3306, 0.2604

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8233, 0.3575, 0.2005 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, 78, 219)` looks like.

```
.text, #text, p{  
    color:rgb(255, 78, 219)  
}
```

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, 78, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 78, 219) }
```

Border

The CSS property to change the border of an element to Yxy 31.8233, 0.3575, 0.2005 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, 78, 219) }
```

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

```
.border{ border-color:rgb(255, 78, 219) }
```

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

Here you see how a box with a 4 pixel rgb(255, 78, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 78, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 78, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 78,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8233, 0.3575, 0.2005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 78, 219) }
```

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

```
.background{ background-color: rgb(255, 78,  
219) }
```

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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