

Converting Colors

$Y_{xy}(33.1088, 0.3574, 0.2064)$

Have a look what the booklet for
Yxy(33.1088, 0.3574, 0.2064)
contains.

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Color

Yxy(33.1383, 0.3578, 0.2069)

Conversions

Conversions Part 1

Format	Color
Hex	FF57DA
RGB	255, 87, 218
RGB Percent	100%, 34%, 85%
CMY	0.0000, 0.6589, 0.1450
CMYK	0.00, 0.66, 0.15, 0.00
HSL	313°, 100%, 67%
HSV	313°, 66%, 100%
XYZ	57.3073, 33.1383, 69.7202
YIQ	152.1660, 58.0770, 76.3570

Conversions

Conversions Part 2

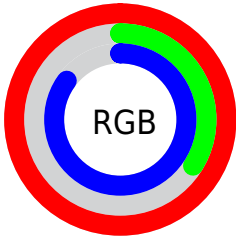
Format	Color
R _Y B	255, 87, 218
Decimal	16734170
CIE Lab	64.27, 76.40, -33.98
CIE LCh	64, 83.617, 336.021
Yxy	33.1383, 0.3578, 0.2069
Android (android.graphics.Color)	4294924250 (0xFFFF57DA)
YUV	152.1660, 32.4562, 90.1854
Hunter-Lab	57.5659, 76.9580, -31.5122

Details

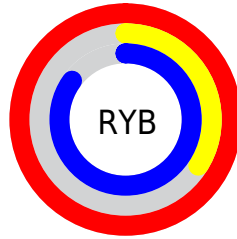
The Yxy color **33.1383, 0.3578, 0.2069** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light muted magenta. A complement of this color would be **75.0004, 0.2897, 0.5014**, and the grayscale version is **31.3119, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3474, 0.3176, 0.2248**, and **14.2464, 0.3675, 0.1798** is the 20% darker color. If you saturate the color by 10%, you get **29.4245, 0.3667, 0.1966**, and if you desaturate by 10%, it is **38.3194, 0.3491, 0.2211**.

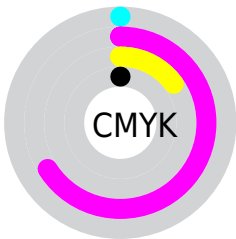
Distribution



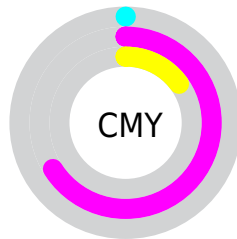
- Red (100%)
- Green (34%)
- Blue (85%)



- Red (100%)
- Yellow (34%)
- Blue (85%)



- Cyan (0%)
- Magenta (66%)
- Yellow (15%)
- Black (0%)





- Cyan (0%)
- Magenta (66%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1383, 0.3578, 0.2069 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 33.1383, 0.3578, 0.2069 by changing the saturation by 10% instead.

 33.1383, 0.3578,
0.2069

 33.1383, 0.3578,
0.2069


316.2725, 0.3374,
0.2637


 22.2324, 0.3622,
0.1941


 64.5914, 0.3509,
0.2265

 14.0278, 0.3675,
0.1784


 85.9074, 0.3481,
0.2342

 8.1400, 0.3740,
0.1590


 111.4622, 0.3457,
0.2408

 4.1847, 0.3817,
0.1345

 141.6402, 0.3437,
0.2466

 1.7774, 0.3910,
0.1032

176.8259, 0.3418,
0.2517

 0.4730, 0.4038,
0.0572

217.4035, 0.3402,

 0.0000, 0.4155,

0.2562

0.0000

263.7576, 0.3387,
0.2602

■ 0.0000, 0.3045,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.1383, 0.3578,
0.2069

■ 33.1383, 0.3578,
0.2069

■ 29.4245, 0.3667,
0.1966

■ 38.3194, 0.3491,
0.2211

■ 27.0164, 0.3755,
0.1910

■ 45.1059, 0.3409,
0.2384

■ 25.7136, 0.3839,
0.1901

■ 53.6198, 0.3333,
0.2575

■ 25.3777, 0.3873,
0.1907

■ 63.9715, 0.3265,
0.2777

76.2620, 0.3206,
0.2979

90.5851, 0.3154,
0.3177

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.



33.1383, 0.2357, 0.1664



33.1383, 0.3578, 0.2069



33.1383, 0.4891, 0.2697

Triad

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



33.1383, 0.3578, 0.2069



33.1383, 0.4515, 0.5130



33.1383, 0.1177, 0.2378

Complementary

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



33.1383, 0.3578, 0.2069



75.0004, 0.2897, 0.5014

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.



33.1383, 0.1529, 0.3669



33.1383, 0.3578, 0.2069



33.1383, 0.3438, 0.5728

Square

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



33.1383, 0.3578, 0.2069



33.1383, 0.5342, 0.4243



33.1383, 0.2345, 0.5216



33.1383, 0.1209, 0.1734

Rectangle

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



33.1383, 0.3578, 0.2069



33.1383, 0.5448, 0.3178



33.1383, 0.2345, 0.5216



33.1383, 0.1246, 0.2732

Sweetspot

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



33.1383, 0.3578, 0.2069



70.9637, 0.3229, 0.2896



18.2754, 0.2054, 0.1264



14.4561, 0.3246, 0.2839



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.



33.1383, 0.3578, 0.2069



28.5428, 0.3694, 0.1944



29.8131, 0.4677, 0.2846



18.2279, 0.3172, 0.3107



13.2837, 0.3860, 0.1900



1.3095, 0.3771, 0.1851

Inverse Universe

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



33.1383, 0.3578, 0.2069



28.5428, 0.3694, 0.1944



78.0704, 0.2541, 0.3889



18.2279, 0.3172, 0.3107



13.2837, 0.3860, 0.1900



1.3095, 0.3771, 0.1851

Previews

White Background



This preview shows how the Yxy color 33.1383, 0.3578, 0.2069 looks on a white background.

Color Contrast Check

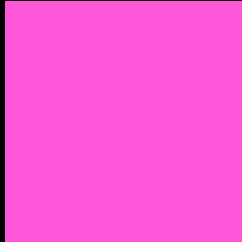
Large Text (above 18pt) WCAG AA × Fail

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 33.1383, 0.3578, 0.2069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

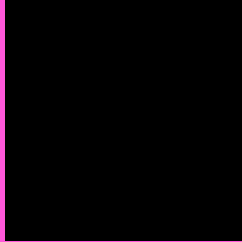
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.1383, 0.3578, 0.2069

Background



This preview shows how black text looks on a background with the Yxy color 33.1383, 0.3578, 0.2069.



This preview shows how white text looks on a background with the Yxy color 33.1383, 0.3578, 0.2069.

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

33.1383, 0.3578, 0.2069

Protanopia

33.6473, 0.2156, 0.1987

Deuteranopia

33.4161, 0.2586, 0.2535



Tritanopia

33.0326, 0.4622, 0.3212

Trichromacy



Original Color

33.1383, 0.3578, 0.2069



Protanomaly

30.2183, 0.2513, 0.1918



Deuteranomaly

30.7860, 0.2890, 0.2258



Tritanomaly

32.4747, 0.4242, 0.2750

Monochromacy



Original Color

33.1383, 0.3578, 0.2069



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

29.3917, 0.3299, 0.2654

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1383, 0.3578, 0.2069 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, 87, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 87, 218)  
}
```

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, 87, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 87, 218) }
```

Border

The CSS property to change the border of an element to Yxy 33.1383, 0.3578, 0.2069 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, 87, 218) }
```

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

```
.border{ border-color:rgb(255, 87, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 87, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 87, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 87, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 87,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1383, 0.3578, 0.2069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 87, 218) }
```

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

```
.background{ background-color: rgb(255, 87,  
218) }
```

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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