

Converting Colors

$Y_{xy}(30.9776, 0.3372, 0.1899)$

Have a look what the booklet for
Yxy(30.9776, 0.3372, 0.1899)
contains.

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Color

Yxy(30.9873, 0.3371, 0.1899)

Conversions

Conversions Part 1

Format	Color
Hex	F650E5
RGB	246, 80, 229
RGB Percent	96%, 31%, 90%
CMY	0.0354, 0.6861, 0.1021
CMYK	0.00, 0.67, 0.07, 0.04
HSL	306°, 90%, 64%
HSV	306°, 67%, 96%
XYZ	55.0069, 30.9873, 77.1827
YIQ	146.6200, 51.1070, 81.5310

Conversions

Conversions Part 2

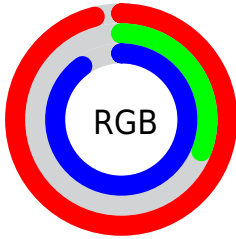
Format	Color
R _Y B	246, 80, 229
Decimal	16142565
CIE Lab	62.50, 78.33, -42.99
CIE LCh	62, 89.346, 331.241
Yxy	30.9873, 0.3371, 0.1899
Android (android.graphics.Color)	4294332645 (0xFFFF650E5)
YUV	146.6200, 40.6133, 87.1563
Hunter-Lab	55.6662, 78.9700, -43.2408

Details

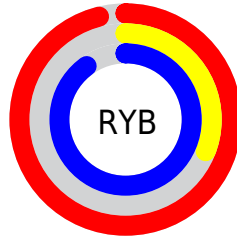
The Yxy color **30.9873, 0.3371, 0.1899** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **68.4696, 0.2969, 0.5291**, and the grayscale version is **28.8348, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.5298, 0.3179, 0.2195**, and **13.4562, 0.3393, 0.1643** is the 20% darker color. If you saturate the color by 10%, you get **27.8797, 0.3411, 0.1788**, and if you desaturate by 10%, it is **35.4177, 0.3330, 0.2051**.

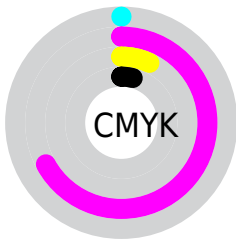
Distribution



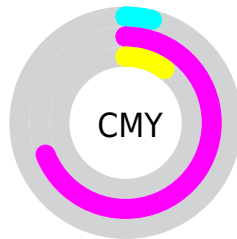
- Red (96%)
- Green (31%)
- Blue (90%)



- Red (96%)
- Yellow (31%)
- Blue (90%)



- Cyan (0%)
- Magenta (67%)
- Yellow (7%)
- Black (4%)




- Cyan (4%)
- Magenta (69%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9873, 0.3371, 0.1899 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 30.9873, 0.3371, 0.1899 by changing the saturation by 10% instead.


 30.9873, 0.3371,
0.1899


 30.9873, 0.3371,
0.1899


306.4798, 0.3280,
0.2538

 20.5892, 0.3385,
0.1758


 61.2201, 0.3345,
0.2118


 12.8240, 0.3397,
0.1588


 81.8235, 0.3333,
0.2204

 7.3075, 0.3406,
0.1380


 106.5975, 0.3322,
0.2278

 3.6551, 0.3406,
0.1123

 135.9265, 0.3312,
0.2344

 1.4826, 0.3380,
0.0810

170.1948, 0.3303,
0.2401

 0.2764, 0.3339,
0.0307

209.7869, 0.3295,

 0.0000, 0.3071,

0.2452

0.0000

255.0871, 0.3287,
0.2497

■ 0.0000, 0.0728,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.9873, 0.3371,
0.1899

■ 30.9873, 0.3371,
0.1899

■ 27.8797, 0.3411,
0.1788

■ 35.4177, 0.3330,
0.2051

■ 25.9385, 0.3448,
0.1722


■ 41.2956, 0.3289,
0.2236

■ 24.9661, 0.3482,
0.1699


■ 48.7360, 0.3250,
0.2446


■ 24.7960, 0.3491,
0.1697


■ 57.8414, 0.3213,
0.2670

 68.7053, 0.3178,
0.2899

 81.4146, 0.3148,
0.3126

 96.0502, 0.3121,
0.3345

 97.9570, 0.3105,
0.3347

 98.1156, 0.3091,
0.3322

Harmonies

Analogous

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



30.9873, 0.2128, 0.1523



30.9873, 0.3371, 0.1899



30.9873, 0.4844, 0.2524

Triad

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



30.9873, 0.3371, 0.1899



30.9873, 0.4726, 0.5058



30.9873, 0.1082, 0.2454

Complementary

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



30.9873, 0.3371, 0.1899



68.4696, 0.2969, 0.5291

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.



30.9873, 0.1507, 0.3976



30.9873, 0.3371, 0.1899



30.9873, 0.3592, 0.5879

Square

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



30.9873, 0.3371, 0.1899



30.9873, 0.5572, 0.4095



30.9873, 0.2427, 0.5626



30.9873, 0.1069, 0.1690

Rectangle

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



30.9873, 0.3371, 0.1899



30.9873, 0.5542, 0.3013



30.9873, 0.2427, 0.5626



30.9873, 0.1171, 0.2874

Sweetspot

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



30.9888, 0.3371, 0.1899



71.3335, 0.3187, 0.2840



14.9194, 0.1905, 0.1165



14.5458, 0.3196, 0.2775



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.



30.9888, 0.3371, 0.1899



29.3410, 0.3425, 0.1759



27.4222, 0.4443, 0.2643



16.7373, 0.3154, 0.3080



13.2502, 0.3486, 0.1694



1.1728, 0.3447, 0.1672

Inverse Universe

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



30.9888, 0.3371, 0.1899



29.3410, 0.3425, 0.1759



70.8846, 0.2621, 0.4178



16.7373, 0.3154, 0.3080



13.2502, 0.3486, 0.1694



1.1728, 0.3447, 0.1672

Previews

White Background



This preview shows how the Yxy color 30.9873, 0.3371, 0.1899 looks on a white background.

Color Contrast Check

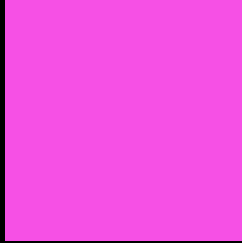
Large Text (above 18pt) WCAG AA × Fail

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 30.9873, 0.3371, 0.1899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

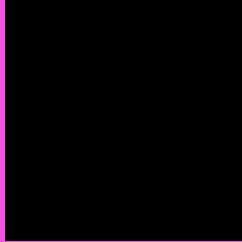
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.9873, 0.3371, 0.1899

Background



This preview shows how black text looks on a background with the Yxy color 30.9873, 0.3371, 0.1899.



This preview shows how white text looks on a background with the Yxy color 30.9873, 0.3371, 0.1899.

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

30.9873, 0.3371, 0.1899

Protanopia

31.4031, 0.2092, 0.1906

Deuteranopia

31.2346, 0.2391, 0.2332



Tritanopia

30.6832, 0.4523, 0.3206

Trichromacy



Original Color

30.9873, 0.3371, 0.1899



Protanomaly

27.8877, 0.2401, 0.1789



Deuteranomaly

28.3762, 0.2674, 0.2058



Tritanomaly

30.0226, 0.4097, 0.2659

Monochromacy



Original Color

30.9873, 0.3371, 0.1899



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

27.4075, 0.3228, 0.2561

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9873, 0.3371, 0.1899 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(246, 80, 229)` looks like.

```
.text, #text, p{  
    color:rgb(246, 80, 229)  
}
```

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(246, 80, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 80, 229) }
```

Border

The CSS property to change the border of an element to Yxy 30.9873, 0.3371, 0.1899 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(246, 80, 229) }
```

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

```
.border{ border-color:rgb(246, 80, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 80, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 80, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 80, 229);  
box-shadow:4px 4px 4px 4px rgb(246, 80,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9873, 0.3371, 0.1899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 80, 229) }
```

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

```
.background{ background-color: rgb(246, 80,  
229) }
```

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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