

Converting Colors

$Y_{xy}(47.3695, 0.3388, 0.2439)$

Have a look what the booklet for
Yxy(47.3695, 0.3388, 0.2439)
contains.

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Color

Yxy(47.2803, 0.3385, 0.2433)

Conversions

Conversions Part 1

Format	Color
Hex	FF91E7
RGB	255, 145, 231
RGB Percent	100%, 57%, 91%
CMY	0.0001, 0.4313, 0.0941
CMYK	0.00, 0.43, 0.09, 0.00
HSL	313°, 100%, 78%
HSV	313°, 43%, 100%
XYZ	65.7804, 47.2803, 81.2685
YIQ	187.6940, 37.9540, 50.0660

Conversions

Conversions Part 2

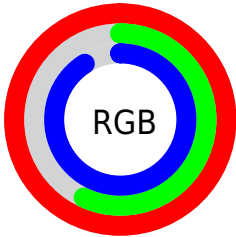
Format	Color
R_{YB}	255, 145, 231
Decimal	16749031
CIE _{Lab}	74.37, 52.75, -25.61
CIE _{LCh}	74, 58.640, 334.103
Yxy	47.2803, 0.3385, 0.2433
Android (android.graphics.Color)	4294939111 (0xFFFF91E7)
YUV	187.6940, 21.3499, 59.0274
Hunter-Lab	68.7607, 50.4323, -21.9426

Details

The Yxy color **47.2803, 0.3385, 0.2433** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.3834, 0.2949, 0.4342**, and the grayscale version is **49.9705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2533, 0.3152, 0.2762**, and **22.3131, 0.3438, 0.2240** is the 20% darker color. If you saturate the color by 10%, you get **40.0347, 0.3465, 0.2254**, and if you desaturate by 10%, it is **56.2885, 0.3312, 0.2629**.

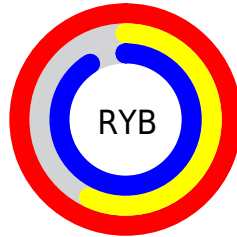
Distribution



Red (100%)

Green (57%)

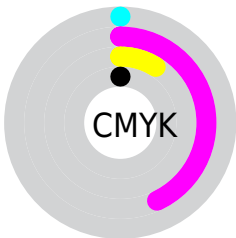
Blue (91%)



Red (100%)

Yellow (57%)

Blue (91%)

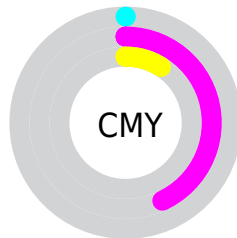


Cyan (0%)

Magenta (43%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (43%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2803, 0.3385, 0.2433 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 47.2803, 0.3385, 0.2433 by changing the saturation by 10% instead.


 47.2803, 0.3385,
0.2433


 47.2803, 0.3385,
0.2433


375.9323, 0.3271,
0.2826

 33.2573, 0.3409,
0.2345


 86.1319, 0.3347,
0.2569

 22.3236, 0.3438,
0.2236


 111.7292, 0.3332,
0.2622

 14.0949, 0.3474,
0.2101


141.9535, 0.3318,
0.2667

 8.1867, 0.3517,
0.1927

177.1891, 0.3307,
0.2707

 4.2146, 0.3571,
0.1698

217.8203, 0.3296,
0.2742

 1.7943, 0.3635,
0.1385

264.2317, 0.3287,

 0.4836, 0.3741,

0.2774

0.0857

316.8075, 0.3279,
0.2801

■ 0.0000, 0.3831,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.2803, 0.3385,
0.2433

■ 47.2803, 0.3385,
0.2433

■ 40.0347, 0.3465,
0.2254

■ 56.2885, 0.3312,
0.2629

■ 34.4268, 0.3550,
0.2102

■ 67.1602, 0.3247,
0.2832

■ 30.3256, 0.3637,
0.1987

■ 79.9965, 0.3190,
0.3034

■ 27.5772, 0.3725,
0.1917

■ 94.8892, 0.3141,
0.3231

■ 25.9944, 0.3809,
0.1895

99.9933, 0.3127,
0.3290

■ 25.3961, 0.3865,
0.1903

Harmonies

Analogous

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



47.2803, 0.2596, 0.2142



47.2803, 0.3385, 0.2433



47.2803, 0.4193, 0.2899

Triad

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



47.2803, 0.3385, 0.2433



47.2803, 0.4210, 0.4576



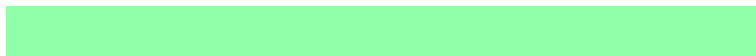
47.2803, 0.1785, 0.2800

Complementary

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



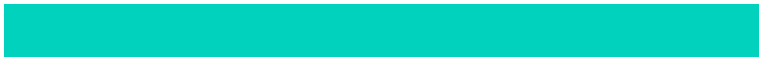
47.2803, 0.3385, 0.2433



80.3834, 0.2949, 0.4342

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.



47.2803, 0.2112, 0.3620



47.2803, 0.3385, 0.2433



47.2803, 0.3499, 0.4797

Square

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



47.2803, 0.3385, 0.2433



47.2803, 0.4666, 0.4056



47.2803, 0.2731, 0.4445



47.2803, 0.1767, 0.2280

Rectangle

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



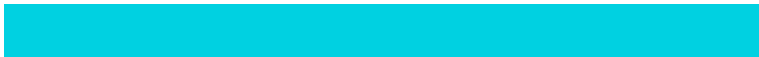
47.2803, 0.3385, 0.2433



47.2803, 0.4573, 0.3269



47.2803, 0.2731, 0.4445



47.2803, 0.1859, 0.3047

Sweetspot

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



47.2825, 0.3385, 0.2433



80.1864, 0.3190, 0.3036



35.8948, 0.2478, 0.1999



16.5182, 0.3201, 0.2992



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.



47.2825, 0.3385, 0.2433



40.7745, 0.3455, 0.2273



44.6538, 0.3934, 0.2966



18.2286, 0.3172, 0.3106



13.2974, 0.3852, 0.1896



1.3107, 0.3764, 0.1847

Inverse Universe

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



47.2825, 0.3385, 0.2433



40.7745, 0.3455, 0.2273



82.8914, 0.2682, 0.3653



18.2286, 0.3172, 0.3106



13.2974, 0.3852, 0.1896



1.3107, 0.3764, 0.1847

Previews

White Background



This preview shows how the Yxy color 47.2803, 0.3385, 0.2433 looks on a white background.

Color Contrast Check

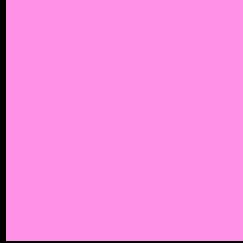
Large Text (above 18pt) WCAG AA × Fail

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 47.2803, 0.3385, 0.2433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

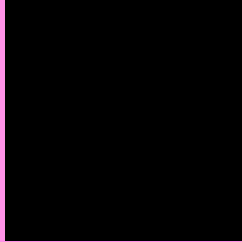
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.2803, 0.3385, 0.2433

Background



This preview shows how black text looks on a background with the Yxy color 47.2803, 0.3385, 0.2433.



This preview shows how white text looks on a background with the Yxy color 47.2803, 0.3385, 0.2433.

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

47.2803, 0.3385, 0.2433

Protanopia

47.8448, 0.2484, 0.2412

Deuteranopia

47.3797, 0.2794, 0.2727



Tritanopia

47.3125, 0.3890, 0.3163

Trichromacy



Original Color

47.2803, 0.3385, 0.2433



Protanomaly

46.2612, 0.2757, 0.2400



Deuteranomaly

46.4489, 0.2989, 0.2599



Tritanomaly

47.0975, 0.3711, 0.2880

Monochromacy



Original Color

47.2803, 0.3385, 0.2433



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

47.8617, 0.3215, 0.2914

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2803, 0.3385, 0.2433 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, 145, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 145, 231)  
}
```

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, 145, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 145, 231) }
```

Border

The CSS property to change the border of an element to Yxy 47.2803, 0.3385, 0.2433 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, 145, 231) }
```

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

```
.border{ border-color:rgb(255, 145, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 145, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 145, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 145, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 145,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2803, 0.3385, 0.2433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 145, 231) }
```

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

```
.background{ background-color: rgb(255,  
145, 231) }
```

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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