

Converting Colors

$Y_{xy}(46.7045, 0.3373, 0.2399)$

Have a look what the booklet for
Yxy(46.7045, 0.3373, 0.2399)
contains.

Yxy(46.7881, 0.3369, 0.2397)	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(46.7881, 0.3369, 0.2397)

Conversions

Conversions Part 1

Format	Color
Hex	FF8FE9
RGB	255, 143, 233
RGB Percent	100%, 56%, 91%
CMY	0.0001, 0.4391, 0.0863
CMYK	0.00, 0.44, 0.09, 0.00
HSL	312°, 100%, 78%
HSV	312°, 44%, 100%
XYZ	65.7610, 46.7881, 82.6453
YIQ	186.7480, 37.8620, 51.7340

Conversions

Conversions Part 2

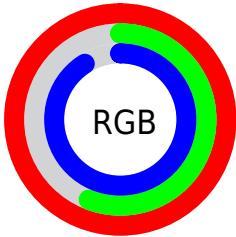
Format	Color
R _Y B	255, 143, 233
Decimal	16748521
CIE Lab	74.05, 54.06, -27.17
CIE LCh	74, 60.509, 333.316
Yxy	46.7881, 0.3369, 0.2397
Android (android.graphics.Color)	4294938601 (0xFFFF8FE9)
YUV	186.7480, 22.8022, 59.8570
Hunter-Lab	68.4018, 51.9053, -23.7548

Details

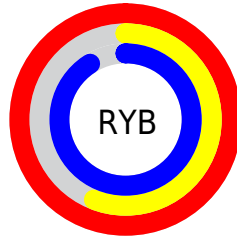
The Yxy color $46.7881, 0.3369, 0.2397$ is a light color, and the websafe version is hex FF99FF . A complement of this color would be $80.0616, 0.2958, 0.4395$, and the grayscale version is $49.4009, 0.3127, 0.3290$.

A 20% lighter version of the original color is $69.3268, 0.3153, 0.2742$, and $22.0548, 0.3415, 0.2197$ is the 20% darker color. If you saturate the color by 10%, you get $39.7015, 0.3441, 0.2216$, and if you desaturate by 10%, it is $55.6267, 0.3302, 0.2596$.

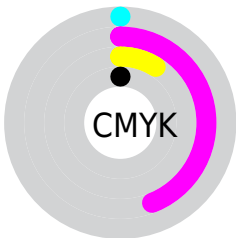
Distribution



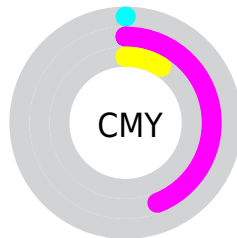
- Red (100%)
- Green (56%)
- Blue (91%)



- Red (100%)
- Yellow (56%)
- Blue (91%)



- Cyan (0%)
- Magenta (44%)
- Yellow (9%)
- Black (0%)





- Cyan (0%)
- Magenta (44%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7881, 0.3369, 0.2397 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 46.7881, 0.3369, 0.2397 by changing the saturation by 10% instead.


 46.7881, 0.3369,
0.2397

 46.7881, 0.3369,
0.2397

373.9681, 0.3264,
0.2806

 32.8682, 0.3391,
0.2305


 85.3972, 0.3334,
0.2538

 22.0255, 0.3417,
0.2193


 110.8552, 0.3320,
0.2593

 13.8756, 0.3448,
0.2053


140.9280, 0.3308,
0.2640

 8.0342, 0.3485,
0.1875

176.0001, 0.3297,
0.2682

 4.1168, 0.3529,
0.1640

216.4557, 0.3287,
0.2718

 1.7391, 0.3578,
0.1322

262.6793, 0.3279,

 0.4488, 0.3660,

0.2751

0.0779

315.0553, 0.3271,
0.2780

0.0000, 0.3665,
0.0000

0.0000, 0.0000,
0.0000

46.7881, 0.3369,
0.2397

46.7881, 0.3369,
0.2397

39.7015, 0.3441,
0.2216

55.6267, 0.3302,
0.2596

34.2409, 0.3518,
0.2063

66.3191, 0.3242,
0.2803

30.2741, 0.3596,
0.1949

78.9668, 0.3189,
0.3011

27.6452, 0.3673,
0.1880

93.6622, 0.3143,
0.3213

■ 26.1635, 0.3747,
0.1857

99.9948, 0.3127,
0.3290

■ 25.6576, 0.3791,
0.1862

Harmonies

Analogous

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



46.7881, 0.2559, 0.2104



46.7881, 0.3369, 0.2397



46.7881, 0.4211, 0.2871

Triad

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



46.7881, 0.3369, 0.2397



46.7881, 0.4256, 0.4601



46.7881, 0.1750, 0.2798

Complementary

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



46.7881, 0.3369, 0.2397



80.0616, 0.2958, 0.4395

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.



46.7881, 0.2091, 0.3655



46.7881, 0.3369, 0.2397



46.7881, 0.3526, 0.4853

Square

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



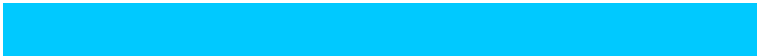
46.7881, 0.3369, 0.2397



46.7881, 0.4722, 0.4055



46.7881, 0.2733, 0.4510



46.7881, 0.1725, 0.2256

Rectangle

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



46.7881, 0.3369, 0.2397



46.7881, 0.4612, 0.3248



46.7881, 0.2733, 0.4510



46.7881, 0.1827, 0.3056

Sweetspot

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



46.7903, 0.3369, 0.2397



80.2306, 0.3185, 0.3030



34.7160, 0.2437, 0.1963



16.5292, 0.3196, 0.2984



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.



46.7903, 0.3369, 0.2397



40.2837, 0.3435, 0.2231



44.1413, 0.3915, 0.2922



18.2356, 0.3168, 0.3101



13.4316, 0.3780, 0.1856



1.3227, 0.3702, 0.1813

Inverse Universe

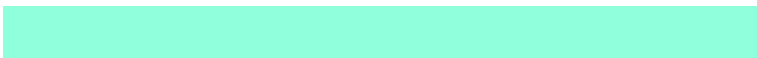
The Inverse Universe completely reimagines the original color for something new.



46.7903, 0.3369, 0.2397



40.2837, 0.3435, 0.2231



82.4866, 0.2693, 0.3706



18.2356, 0.3168, 0.3101



13.4316, 0.3780, 0.1856



1.3227, 0.3702, 0.1813

Previews

White Background



This preview shows how the Yxy color 46.7881, 0.3369, 0.2397 looks on a white background.

Color Contrast Check

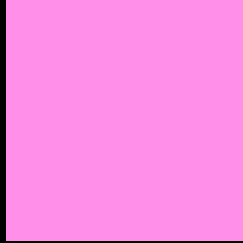
Large Text (above 18pt) WCAG AA × Fail

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 46.7881, 0.3369, 0.2397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

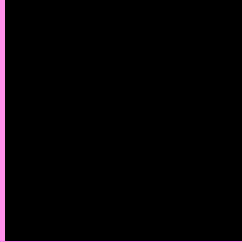
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7881, 0.3369, 0.2397

Background



This preview shows how black text looks on a background with the Yxy color 46.7881, 0.3369, 0.2397.



This preview shows how white text looks on a background with the Yxy color 46.7881, 0.3369, 0.2397.

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

46.7881, 0.3369, 0.2397

Protanopia

47.2334, 0.2470, 0.2397

Deuteranopia

47.2512, 0.2765, 0.2703



Tritanopia

46.7153, 0.3904, 0.3173

Trichromacy



Original Color

46.7881, 0.3369, 0.2397



Protanomaly

45.8222, 0.2742, 0.2378



Deuteranomaly

46.0514, 0.2966, 0.2566



Tritanomaly

46.5862, 0.3704, 0.2868

Monochromacy



Original Color

46.7881, 0.3369, 0.2397



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

47.4825, 0.3216, 0.2902

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7881, 0.3369, 0.2397 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, 143, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 143, 233)  
}
```

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, 143, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 143, 233) }
```

Border

The CSS property to change the border of an element to Yxy 46.7881, 0.3369, 0.2397 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, 143, 233) }
```

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

```
.border{ border-color:rgb(255, 143, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 143, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 143, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 143, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 143,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7881, 0.3369, 0.2397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 143, 233) }
```

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

```
.background{ background-color: rgb(255,  
143, 233) }
```

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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