

Converting Colors

$Y_{xy}(46.8583, 0.3404, 0.2440)$

Have a look what the booklet for
Yxy(46.8583, 0.3404, 0.2440)
contains.

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Color

Yxy(46.8637, 0.3405, 0.2441)

Conversions

Conversions Part 1

Format	Color
Hex	FF90E5
RGB	255, 144, 229
RGB Percent	100%, 56%, 90%
CMY	0.0000, 0.4354, 0.1018
CMYK	0.00, 0.44, 0.10, 0.00
HSL	314°, 100%, 78%
HSV	314°, 44%, 100%
XYZ	65.3711, 46.8637, 79.7508
YIQ	186.8790, 38.8710, 49.9670

Conversions

Conversions Part 2

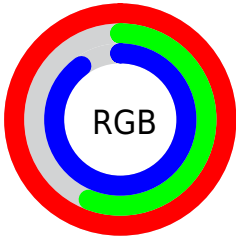
Format	Color
R _Y B	255, 144, 229
Decimal	16748773
CIE Lab	74.10, 52.98, -24.93
CIE LCh	74, 58.554, 334.797
Yxy	46.8637, 0.3405, 0.2441
Android (android.graphics.Color)	4294938853 (0xFFFF90E5)
YUV	186.8790, 20.7657, 59.7421
Hunter-Lab	68.4571, 50.6536, -21.1515

Details

The Yxy color **46.8637, 0.3405, 0.2441** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.3471, 0.2939, 0.4332**, and the grayscale version is **49.4789, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.7886, 0.3152, 0.2752**, and **22.0652, 0.3465, 0.2251** is the 20% darker color. If you saturate the color by 10%, you get **39.6601, 0.3490, 0.2266**, and if you desaturate by 10%, it is **55.8106, 0.3326, 0.2633**.

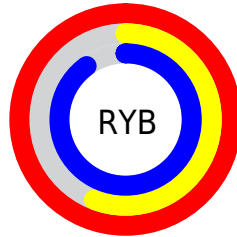
Distribution



Red (100%)

Green (56%)

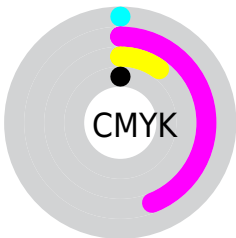
Blue (90%)



Red (100%)

Yellow (56%)

Blue (90%)

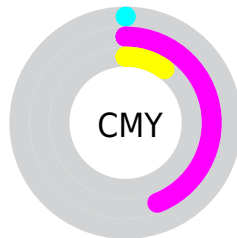


Cyan (0%)

Magenta (44%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (44%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8637, 0.3405, 0.2441 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 46.8637, 0.3405, 0.2441 by changing the saturation by 10% instead.


 46.8637, 0.3405,
0.2441


 46.8637, 0.3405,
0.2441


374.2702, 0.3281,
0.2832

 32.9279, 0.3432,
0.2353


 85.5101, 0.3363,
0.2576

 22.0712, 0.3464,
0.2245


 110.9896, 0.3346,
0.2628

 13.9092, 0.3504,
0.2110


141.0857, 0.3332,
0.2674

 8.0576, 0.3554,
0.1936

176.1829, 0.3319,
0.2714

 4.1318, 0.3616,
0.1706

216.6655, 0.3308,
0.2748

 1.7476, 0.3694,
0.1391

262.9180, 0.3298,

 0.4542, 0.3830,

0.2779

0.0840

315.3248, 0.3289,
0.2807

■ 0.0000, 0.3942,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.8637, 0.3405,
0.2441

■ 46.8637, 0.3405,
0.2441

■ 39.6601, 0.3490,
0.2266

■ 55.8106, 0.3326,
0.2633

■ 34.0992, 0.3582,
0.2117

■ 66.6271, 0.3257,
0.2832

■ 30.0410, 0.3677,
0.2007

■ 79.4064, 0.3196,
0.3031

■ 27.3302, 0.3772,
0.1941

■ 94.2406, 0.3144,
0.3224

■ 25.7780, 0.3865,
0.1924

100.0000, 0.3127,
0.3290

■ 25.2162, 0.3922,
0.1934

Harmonies

Analogous

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



46.8637, 0.2611, 0.2145



46.8637, 0.3405, 0.2441



46.8637, 0.4210, 0.2911

Triad

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



46.8637, 0.3405, 0.2441



46.8637, 0.4197, 0.4587



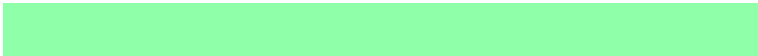
46.8637, 0.1780, 0.2783

Complementary

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



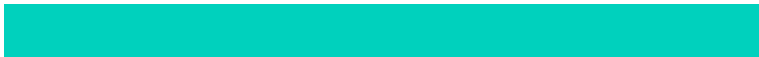
46.8637, 0.3405, 0.2441



80.3471, 0.2939, 0.4332

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.



46.8637, 0.2099, 0.3599



46.8637, 0.3405, 0.2441



46.8637, 0.3482, 0.4798

Square

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



46.8637, 0.3405, 0.2441



46.8637, 0.4662, 0.4070



46.8637, 0.2713, 0.4432



46.8637, 0.1768, 0.2270

Rectangle

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



46.8637, 0.3405, 0.2441



46.8637, 0.4584, 0.3283



46.8637, 0.2713, 0.4432



46.8637, 0.1851, 0.3028

Sweetspot

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



46.8576, 0.3405, 0.2441



80.1535, 0.3193, 0.3042



35.6914, 0.2484, 0.1989



16.5100, 0.3206, 0.2998



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.



46.8576, 0.3405, 0.2441



40.6585, 0.3477, 0.2291



44.2384, 0.3965, 0.2983



18.2234, 0.3174, 0.3110



13.2002, 0.3908, 0.1926



1.3020, 0.3811, 0.1873

Inverse Universe

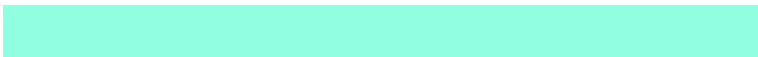
The Inverse Universe completely reimagines the original color for something new.



46.8576, 0.3405, 0.2441



40.6585, 0.3477, 0.2291



82.9047, 0.2670, 0.3634



18.2234, 0.3174, 0.3110



13.2002, 0.3908, 0.1926



1.3020, 0.3811, 0.1873

Previews

White Background



This preview shows how the Yxy color 46.8637, 0.3405, 0.2441 looks on a white background.

Color Contrast Check

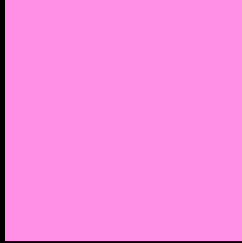
Large Text (above 18pt) WCAG AA × Fail

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 46.8637, 0.3405, 0.2441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

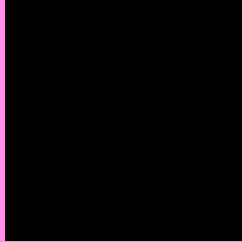
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.8637, 0.3405, 0.2441

Background



This preview shows how black text looks on a background with the Yxy color 46.8637, 0.3405, 0.2441.



This preview shows how white text looks on a background with the Yxy color 46.8637, 0.3405, 0.2441.

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

46.8637, 0.3405, 0.2441

Protanopia

47.3361, 0.2476, 0.2398

Deuteranopia

47.2712, 0.2807, 0.2750



Tritanopia

46.8976, 0.3914, 0.3173

Trichromacy



Original Color

46.8637, 0.3405, 0.2441



Protanomaly

45.8934, 0.2757, 0.2389



Deuteranomaly

45.9741, 0.3005, 0.2608



Tritanomaly

46.6834, 0.3733, 0.2890

Monochromacy



Original Color

46.8637, 0.3405, 0.2441



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

47.3871, 0.3233, 0.2925

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8637, 0.3405, 0.2441 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, 144, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 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(255, 144, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 229) }
```

Border

The CSS property to change the border of an element to Yxy 46.8637, 0.3405, 0.2441 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, 144, 229) }
```

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

```
.border{ border-color:rgb(255, 144, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 144, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8637, 0.3405, 0.2441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 144, 229) }
```

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

```
.background{ background-color: rgb(255,  
144, 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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