

Converting Colors

$Yxy(66.0448, 0.3935, 0.2584)$

Have a look what the booklet for
Yxy(66.0448, 0.3935, 0.2584)
contains.

Yxy(48.9869, 0.3310, 0.2400)	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(48.9869, 0.3310, 0.2400)

Conversions

Conversions Part 1

Format	Color
Hex	FF95EF
RGB	255, 149, 239
RGB Percent	100%, 58%, 94%
CMY	0.0001, 0.4156, 0.0627
CMYK	0.00, 0.42, 0.06, 0.00
HSL	309°, 100%, 79%
HSV	309°, 42%, 100%
XYZ	67.5611, 48.9869, 87.5641
YIQ	190.9540, 34.2860, 50.4620

Conversions

Conversions Part 2

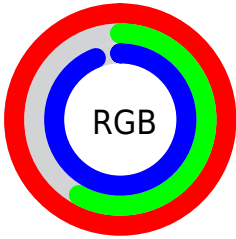
Format	Color
R _Y B	255, 149, 239
Decimal	16750063
CIE Lab	75.44, 52.08, -28.33
CIE LCh	75, 59.282, 331.455
Yxy	48.9869, 0.3310, 0.2400
Android (android.graphics.Color)	4294940143 (0xFFFF95EF)
YUV	190.9540, 23.6867, 56.1683
Hunter-Lab	69.9906, 49.8202, -25.1832

Details

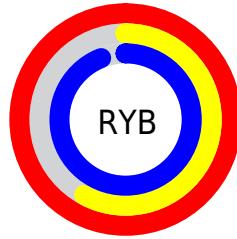
The Yxy color **48.9869, 0.3310, 0.2400** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.6106, 0.2989, 0.4386**, and the grayscale version is **51.9202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1426, 0.3150, 0.2801**, and **23.3391, 0.3334, 0.2198** is the 20% darker color. If you saturate the color by 10%, you get **41.5591, 0.3366, 0.2206**, and if you desaturate by 10%, it is **58.1899, 0.3258, 0.2611**.

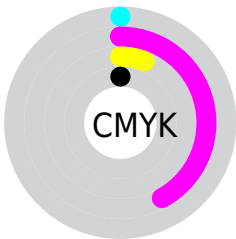
Distribution



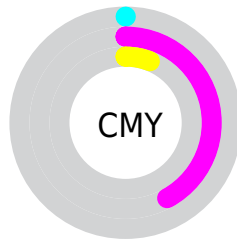
- Red (100%)
- Green (58%)
- Blue (94%)



- Red (100%)
- Yellow (58%)
- Blue (94%)



- Cyan (0%)
- Magenta (42%)
- Yellow (6%)
- Black (0%)




- Cyan (0%)
- Magenta (42%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9869, 0.3310, 0.2400 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 48.9869, 0.3310, 0.2400 by changing the saturation by 10% instead.


 48.9869, 0.3310,
0.2400


 48.9869, 0.3310,
0.2400


382.6907, 0.3235,
0.2805

 34.6091, 0.3325,
0.2310


 88.6720, 0.3286,
0.2539

 23.3619, 0.3342,
0.2200


 114.7481, 0.3276,
0.2593

 14.8610, 0.3361,
0.2064


145.4924, 0.3267,
0.2640

 8.7219, 0.3383,
0.1890

181.2892, 0.3259,
0.2681

 4.5602, 0.3405,
0.1663

222.5231, 0.3252,
0.2718

 1.9916, 0.3423,
0.1358

269.5784, 0.3246,

 0.6026, 0.3431,

0.2750

0.0901

322.8395, 0.3240,
0.2779

■ 0.0000, 0.3439,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.9869, 0.3310,
0.2400

■ 48.9869, 0.3310,
0.2400

■ 41.5591, 0.3366,
0.2206

■ 58.1899, 0.3258,
0.2611

■ 35.7834, 0.3424,
0.2040

■ 69.2672, 0.3211,
0.2829

■ 31.5314, 0.3483,
0.1910

■ 82.3189, 0.3169,
0.3046

■ 28.6532, 0.3541,
0.1823

■ 97.4356, 0.3132,
0.3258

■ 26.9681, 0.3596,
0.1783

99.9950, 0.3127,
0.3290

■ 26.2419, 0.3640,
0.1779

Harmonies

Analogous

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



48.9869, 0.2536, 0.2127



48.9869, 0.3310, 0.2400



48.9869, 0.4128, 0.2853

Triad

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



48.9869, 0.3310, 0.2400



48.9869, 0.4263, 0.4537



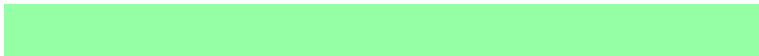
48.9869, 0.1802, 0.2863

Complementary

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



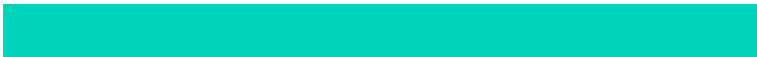
48.9869, 0.3310, 0.2400



80.6106, 0.2989, 0.4386

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.



48.9869, 0.2157, 0.3699



48.9869, 0.3310, 0.2400



48.9869, 0.3567, 0.4796

Square

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



48.9869, 0.3310, 0.2400



48.9869, 0.4687, 0.4004



48.9869, 0.2796, 0.4500



48.9869, 0.1758, 0.2313

Rectangle

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



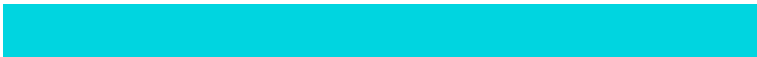
48.9869, 0.3310, 0.2400



48.9869, 0.4533, 0.3219



48.9869, 0.2796, 0.4500



48.9869, 0.1885, 0.3118

Sweetspot

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



48.9891, 0.3310, 0.2400



81.7132, 0.3171, 0.3037



36.7099, 0.2456, 0.2036



17.1028, 0.3176, 0.3009



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.



48.9891, 0.3310, 0.2400



42.6123, 0.3357, 0.2235



46.3061, 0.3818, 0.2905



18.2506, 0.3161, 0.3090



13.7330, 0.3632, 0.1774



1.3493, 0.3576, 0.1743

Inverse Universe

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



48.9891, 0.3310, 0.2400



42.6123, 0.3357, 0.2235



82.9508, 0.2728, 0.3723



18.2506, 0.3161, 0.3090



13.7330, 0.3632, 0.1774



1.3493, 0.3576, 0.1743

Previews

White Background



This preview shows how the Yxy color 48.9869, 0.3310, 0.2400 looks on a white background.

Color Contrast Check

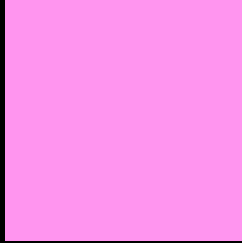
Large Text (above 18pt) WCAG AA × Fail

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 48.9869, 0.3310, 0.2400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

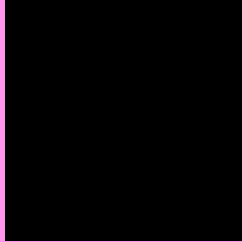
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.9869, 0.3310, 0.2400

Background



This preview shows how black text looks on a background with the Yxy color 48.9869, 0.3310, 0.2400.

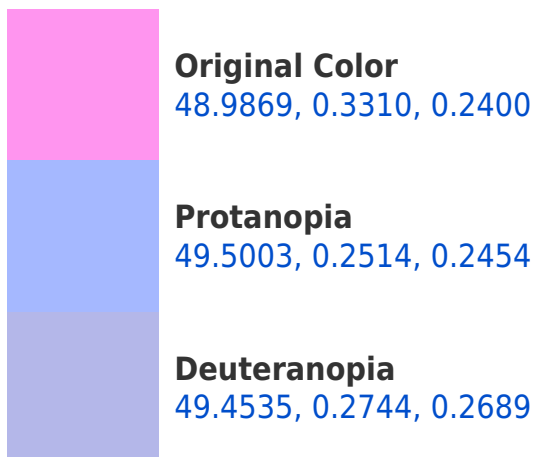


This preview shows how white text looks on a background with the Yxy color 48.9869, 0.3310, 0.2400.

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





Tritanopia

48.7100, 0.3818, 0.3151

Trichromacy



Original Color

48.9869, 0.3310, 0.2400



Protanomaly

47.9711, 0.2763, 0.2412



Deuteranomaly

48.3894, 0.2930, 0.2564



Tritanomaly

48.5152, 0.3634, 0.2858

Monochromacy



Original Color

48.9869, 0.3310, 0.2400



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

49.9009, 0.3196, 0.2919

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9869, 0.3310, 0.2400 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, 149, 239)` looks like.

```
.text, #text, p{  
    color:rgb(255, 149, 239)  
}
```

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, 149, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 149, 239) }
```

Border

The CSS property to change the border of an element to Yxy 48.9869, 0.3310, 0.2400 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, 149, 239) }
```

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

```
.border{ border-color:rgb(255, 149, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 149, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 149, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 149, 239);  
box-shadow:4px 4px 4px 4px rgb(255, 149,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9869, 0.3310, 0.2400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 149, 239) }
```

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

```
.background{ background-color: rgb(255,  
149, 239) }
```

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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