

Converting Colors

$Y_{xy}(48.3029, 0.3362, 0.2440)$

Have a look what the booklet for
Yxy(48.3029, 0.3362, 0.2440)
contains.

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Color

Yxy(48.3230, 0.3364, 0.2443)

Conversions

Conversions Part 1

Format	Color
Hex	FF94E9
RGB	255, 148, 233
RGB Percent	100%, 58%, 91%
CMY	0.0000, 0.4196, 0.0861
CMYK	0.00, 0.42, 0.09, 0.00
HSL	312°, 100%, 79%
HSV	312°, 42%, 100%
XYZ	66.5406, 48.3230, 82.9383
YIQ	189.6830, 36.4870, 49.1190

Conversions

Conversions Part 2

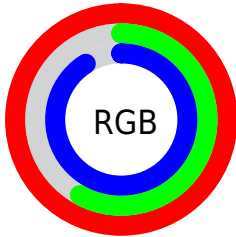
Format	Color
R_{YB}	255, 148, 233
Decimal	16749801
CIE _{Lab}	75.03, 51.61, -25.71
CIE _{LCh}	75, 57.655, 333.519
Yxy	48.3230, 0.3364, 0.2443
Android (android.graphics.Color)	4294939881 (0xFFFF94E9)
YUV	189.6830, 21.3553, 57.2830
Hunter-Lab	69.5147, 49.2121, -22.0788

Details

The Yxy color **48.3230, 0.3364, 0.2443** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.7142, 0.2959, 0.4325**, and the grayscale version is **51.1620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6657, 0.3151, 0.2792**, and **22.9155, 0.3409, 0.2251** is the 20% darker color. If you saturate the color by 10%, you get **40.8927, 0.3439, 0.2259**, and if you desaturate by 10%, it is **57.5283, 0.3296, 0.2643**.

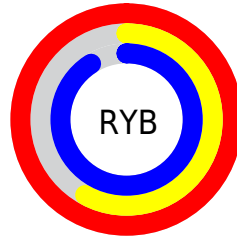
Distribution



Red (100%)

Green (58%)

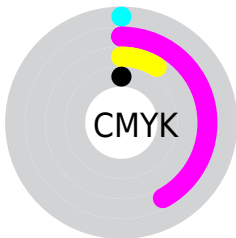
Blue (91%)



Red (100%)

Yellow (58%)

Blue (91%)

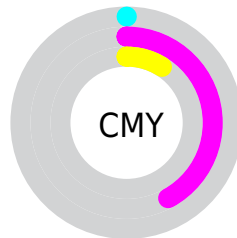


Cyan (0%)

Magenta (42%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (42%)


Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.3230, 0.3364, 0.2443 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 48.3230, 0.3364, 0.2443 by changing the saturation by 10% instead.

 48.3230, 0.3364,
0.2443

 48.3230, 0.3364,
0.2443


380.0710, 0.3261,
0.2831

 34.0827, 0.3386,
0.2356


 87.6851, 0.3329,
0.2576

 22.9572, 0.3412,
0.2250


 113.5758, 0.3316,
0.2629

 14.5619, 0.3443,
0.2117


144.1187, 0.3304,
0.2674

 8.5125, 0.3481,
0.1946

179.6983, 0.3293,
0.2713

 4.4246, 0.3527,
0.1722

220.6989, 0.3283,
0.2748

 1.9138, 0.3582,
0.1416

267.5050, 0.3275,

 0.5567, 0.3658,

0.2779

0.0930

320.5009, 0.3267,
0.2806

■ 0.0000, 0.3770,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.3230, 0.3364,
0.2443

■ 48.3230, 0.3364,
0.2443

■ 40.8927, 0.3439,
0.2259

■ 57.5283, 0.3296,
0.2643

■ 35.1138, 0.3518,
0.2102

■ 68.6085, 0.3235,
0.2849

■ 30.8574, 0.3600,
0.1980

■ 81.6637, 0.3182,
0.3054

■ 27.9723, 0.3681,
0.1903

■ 96.7850, 0.3135,
0.3252

■ 26.2762, 0.3760,
0.1873

99.9992, 0.3127,
0.3290

■ 25.5549, 0.3821,
0.1879

Harmonies

Analogous

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



48.3230, 0.2595, 0.2161



48.3230, 0.3364, 0.2443



48.3230, 0.4154, 0.2899

Triad

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



48.3230, 0.3364, 0.2443



48.3230, 0.4201, 0.4542



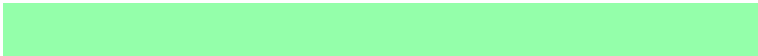
48.3230, 0.1816, 0.2827

Complementary

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



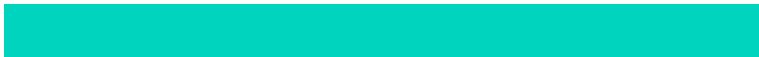
48.3230, 0.3364, 0.2443



80.7142, 0.2959, 0.4325

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.



48.3230, 0.2144, 0.3630



48.3230, 0.3364, 0.2443



48.3230, 0.3510, 0.4760

Square

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



48.3230, 0.3364, 0.2443



48.3230, 0.4638, 0.4034



48.3230, 0.2756, 0.4426



48.3230, 0.1791, 0.2309

Rectangle

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



48.3230, 0.3364, 0.2443



48.3230, 0.4530, 0.3262



48.3230, 0.2756, 0.4426



48.3230, 0.1890, 0.3070

Sweetspot

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



48.3252, 0.3364, 0.2443



80.2124, 0.3187, 0.3032



36.8799, 0.2487, 0.2034



16.5247, 0.3198, 0.2987



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.



48.3252, 0.3364, 0.2443



42.2160, 0.3423, 0.2294



45.7393, 0.3883, 0.2956



18.2327, 0.3170, 0.3103



13.3758, 0.3809, 0.1872



1.3177, 0.3727, 0.1827

Inverse Universe

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



48.3252, 0.3364, 0.2443



42.2160, 0.3423, 0.2294



83.1356, 0.2700, 0.3663



18.2327, 0.3170, 0.3103



13.3758, 0.3809, 0.1872



1.3177, 0.3727, 0.1827

Previews

White Background



This preview shows how the Yxy color 48.3230, 0.3364, 0.2443 looks on a white background.

Color Contrast Check

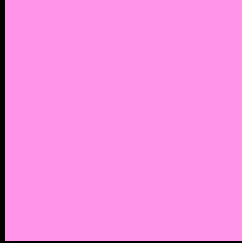
Large Text (above 18pt) WCAG AA × Fail

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 48.3230, 0.3364, 0.2443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

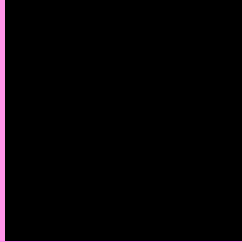
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.3230, 0.3364, 0.2443

Background



This preview shows how black text looks on a background with the Yxy color 48.3230, 0.3364, 0.2443.



This preview shows how white text looks on a background with the Yxy color 48.3230, 0.3364, 0.2443.

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

48.3230, 0.3364, 0.2443

Protanopia

48.8735, 0.2500, 0.2439

Deuteranopia

48.5389, 0.2797, 0.2732



Tritanopia

48.4633, 0.3850, 0.3163

Trichromacy



Original Color

48.3230, 0.3364, 0.2443



Protanomaly

47.2006, 0.2760, 0.2416



Deuteranomaly

47.5884, 0.2991, 0.2605



Tritanomaly

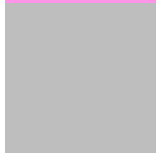
48.2263, 0.3674, 0.2880

Monochromacy



Original Color

48.3230, 0.3364, 0.2443



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

49.4123, 0.3213, 0.2929

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3230, 0.3364, 0.2443 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, 148, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 148, 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, 148, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 148, 233) }
```

Border

The CSS property to change the border of an element to Yxy 48.3230, 0.3364, 0.2443 is called "border". The border property can be set on classes, ids or directly on the HTML element.

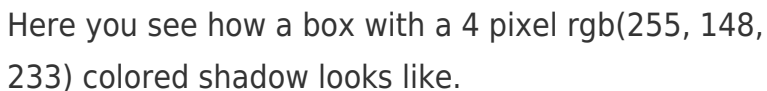
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 148, 233) }
```

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

```
.border{ border-color:rgb(255, 148, 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, 148, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 148, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 148, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 148,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3230, 0.3364, 0.2443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 148, 233) }
```

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

```
.background{ background-color: rgb(255,  
148, 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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