

Converting Colors

$Y_{xy}(48.2886, 0.3087, 0.2247)$

Have a look what the booklet for
Yxy(48.2886, 0.3087, 0.2247)
contains.

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Color

Yxy(48.2658, 0.3083, 0.2245)

Conversions

Conversions Part 1

Format	Color
Hex	F496FF
RGB	244, 150, 255
RGB Percent	96%, 59%, 100%
CMY	0.0429, 0.4119, 0.0000
CMYK	0.04, 0.41, 0.00, 0.00
HSL	294°, 100%, 79%
HSV	294°, 41%, 100%
XYZ	66.2822, 48.2658, 100.4445
YIQ	190.0760, 22.3190, 52.5830

Conversions

Conversions Part 2

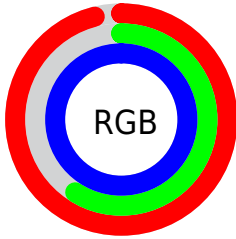
Format	Color
R_{YB}	244, 150, 255
Decimal	16029439
CIE _{Lab}	74.99, 51.19, -37.81
CIE _{LCh}	75, 63.636, 323.547
Yxy	48.2658, 0.3083, 0.2245
Android (android.graphics.Color)	4294219519 (0xFFFF496FF)
YUV	190.0760, 32.0075, 47.2913
Hunter-Lab	69.4736, 48.7214, -37.0896

Details

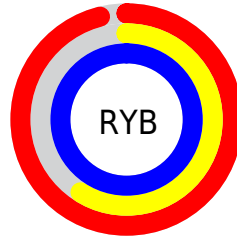
The Yxy color **48.2658, 0.3083, 0.2245** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.2884, 0.3129, 0.4546**, and the grayscale version is **51.3404, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6226, 0.3150, 0.2811**, and **22.8821, 0.3050, 0.2016** is the 20% darker color. If you saturate the color by 10%, you get **40.5253, 0.3065, 0.2012**, and if you desaturate by 10%, it is **57.7854, 0.3099, 0.2496**.

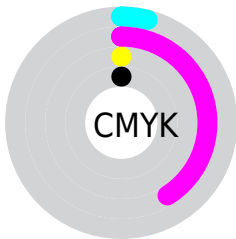
Distribution



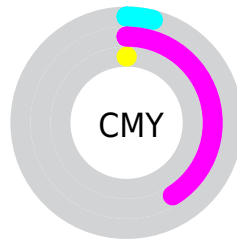
- Red (96%)
- Green (59%)
- Blue (100%)



- Red (96%)
- Yellow (59%)
- Blue (100%)



- Cyan (4%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)





- Cyan (4%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.2658, 0.3083, 0.2245 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 48.2658, 0.3083, 0.2245 by changing the saturation by 10% instead.


 48.2658, 0.3083,
0.2245

 48.2658, 0.3083,
0.2245


379.8447, 0.3121,
0.2714

 34.0374, 0.3070,
0.2143


 87.6000, 0.3100,
0.2404

 22.9224, 0.3052,
0.2019


 113.4747, 0.3105,
0.2467

 14.5362, 0.3025,
0.1867


144.0002, 0.3110,
0.2522

 8.4945, 0.2986,
0.1676

179.5610, 0.3113,
0.2570

 4.4130, 0.2922,
0.1433

220.5414, 0.3116,
0.2612

 1.9072, 0.2814,
0.1119

267.3259, 0.3118,

 0.5527, 0.2627,

0.2650

0.0671

320.2989, 0.3120,
0.2684

0.0000, 0.2250,
0.0000

0.0000, 0.0000,
0.0000

48.2658, 0.3083,
0.2245

48.2658, 0.3083,
0.2245

40.5253, 0.3065,
0.2012

57.7854, 0.3099,
0.2496

34.4451, 0.3043,
0.1807

69.1869, 0.3111,
0.2755

29.8960, 0.3019,
0.1639

82.5686, 0.3120,
0.3012

26.7290, 0.2993,
0.1514

98.0211, 0.3127,
0.3261

■ 24.7649, 0.2967, 100.0000, 0.3127,
0.1434 0.3290

■ 23.7867, 0.2943,
0.1395

Harmonies

Analogous

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



48.2658, 0.2314, 0.2017



48.2658, 0.3083, 0.2245



48.2658, 0.3987, 0.2679

Triad

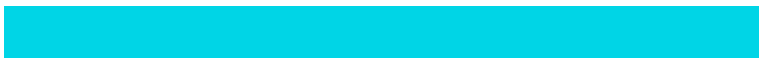
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



48.2658, 0.3083, 0.2245



48.2658, 0.4490, 0.4474



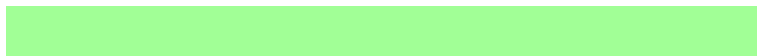
48.2658, 0.1779, 0.3035

Complementary

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



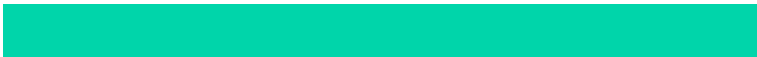
48.2658, 0.3083, 0.2245



81.2884, 0.3129, 0.4546

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.



48.2658, 0.2237, 0.3988



48.2658, 0.3083, 0.2245



48.2658, 0.3797, 0.4885

Square

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



48.2658, 0.3083, 0.2245



48.2658, 0.4845, 0.3867



48.2658, 0.2974, 0.4760



48.2658, 0.1653, 0.2358

Rectangle

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



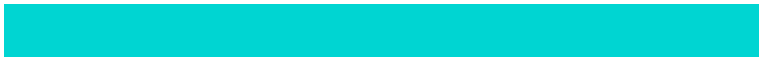
48.2658, 0.3083, 0.2245



48.2658, 0.4494, 0.3047



48.2658, 0.2974, 0.4760



48.2658, 0.1895, 0.3336

Sweetspot

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



48.2668, 0.3083, 0.2245



81.4072, 0.3119, 0.2991



39.6200, 0.2379, 0.2163



17.0302, 0.3118, 0.2958



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.



48.2668, 0.3083, 0.2245



42.0736, 0.3069, 0.2061



47.9554, 0.3531, 0.2630



18.1986, 0.3121, 0.3055



12.4680, 0.2948, 0.1397



1.2404, 0.2979, 0.1415

Inverse Universe

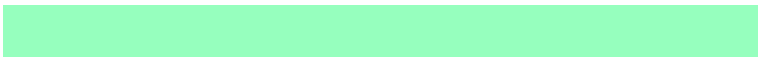
The Inverse Universe completely reimagines the original color for something new.



45.6325, 0.4079, 0.3178



39.2236, 0.4365, 0.3160



81.7288, 0.2869, 0.4067



18.0178, 0.3278, 0.3266



11.1590, 0.6282, 0.3234



1.0962, 0.6063, 0.3114

Previews

White Background



This preview shows how the Yxy color 48.2658, 0.3083, 0.2245 looks on a white background.

Color Contrast Check

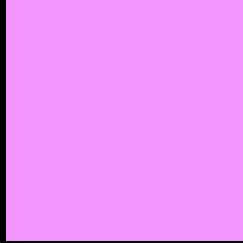
Large Text (above 18pt) WCAG AA × Fail

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 48.2658, 0.3083, 0.2245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

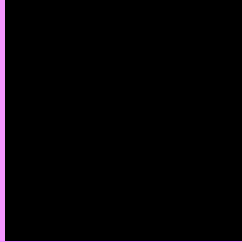
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.2658, 0.3083, 0.2245

Background



This preview shows how black text looks on a background with the Yxy color 48.2658, 0.3083, 0.2245.



This preview shows how white text looks on a background with the Yxy color 48.2658, 0.3083, 0.2245.

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

48.2658, 0.3083, 0.2245

Protanopia

48.7684, 0.2494, 0.2438

Deuteranopia

48.5109, 0.2557, 0.2492



Tritanopia

48.0195, 0.3648, 0.3145

Trichromacy



Original Color

48.2658, 0.3083, 0.2245



Protanomaly

47.5523, 0.2680, 0.2344



Deuteranomaly

47.3166, 0.2726, 0.2376

Tritanomaly

47.8237, 0.3434, 0.2779

Monochromacy



Original Color

48.2658, 0.3083, 0.2245



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

49.2166, 0.3114, 0.2836

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2658, 0.3083, 0.2245 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(244, 150, 255)` looks like.

```
.text, #text, p{  
    color:rgb(244, 150, 255)  
}
```

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(244, 150, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 150, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.2658, 0.3083, 0.2245 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(244, 150, 255) }
```

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

```
.border{ border-color:rgb(244, 150, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 150, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 150, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 150, 255);  
box-shadow:4px 4px 4px 4px rgb(244, 150,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2658, 0.3083, 0.2245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 150, 255) }
```

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

```
.background{ background-color: rgb(244,  
150, 255) }
```

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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