

Converting Colors

$Y_{xy}(45.3482, 0.3423, 0.2459)$

Have a look what the booklet for
Yxy(45.3482, 0.3423, 0.2459)
contains.

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Color

Yxy(45.4233, 0.3427, 0.2460)

Conversions

Conversions Part 1

Format	Color
Hex	FC8EE0
RGB	252, 142, 224
RGB Percent	99%, 56%, 88%
CMY	0.0117, 0.4432, 0.1216
CMYK	0.00, 0.44, 0.11, 0.01
HSL	315°, 95%, 77%
HSV	315°, 44%, 99%
XYZ	63.2787, 45.4233, 75.9455
YIQ	184.2380, 39.2380, 48.8220

Conversions

Conversions Part 2

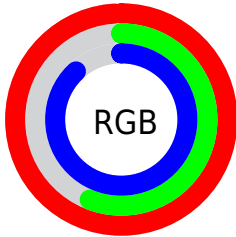
Format	Color
R _Y B	252, 142, 224
Decimal	16551648
CIE Lab	73.17, 52.24, -23.63
CIE LCh	73, 57.335, 335.663
Yxy	45.4233, 0.3427, 0.2460
Android (android.graphics.Color)	4294741728 (0xFFFC8EE0)
YUV	184.2380, 19.6027, 59.4273
Hunter-Lab	67.3968, 49.6488, -19.6327

Details

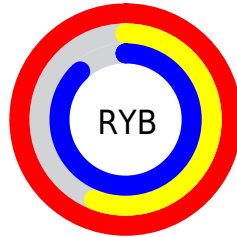
The Yxy color $45.4233, 0.3427, 0.2460$ is a light color, and the websafe version is hex FF99FF . A complement of this color would be $78.2923, 0.2927, 0.4305$, and the grayscale version is $47.9449, 0.3127, 0.3290$.

A 20% lighter version of the original color is $68.8682, 0.3153, 0.2732$, and $21.1815, 0.3483, 0.2260$ is the 20% darker color. If you saturate the color by 10%, you get $38.4134, 0.3521, 0.2289$, and if you desaturate by 10%, it is $54.1457, 0.3342, 0.2648$.

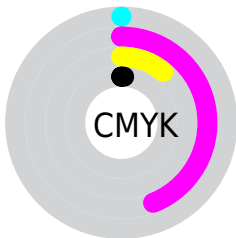
Distribution



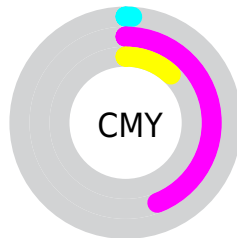
- Red (99%)
- Green (56%)
- Blue (88%)



- Red (99%)
- Yellow (56%)
- Blue (88%)



- Cyan (0%)
- Magenta (44%)
- Yellow (11%)
- Black (1%)





- Cyan (1%)
- Magenta (44%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.4233, 0.3427, 0.2460 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 45.4233, 0.3427, 0.2460 by changing the saturation by 10% instead.


 45.4233, 0.3427,
0.2460


 45.4233, 0.3427,
0.2460


368.4852, 0.3291,
0.2845

 31.7910, 0.3457,
0.2372


 83.3553, 0.3380,
0.2593

 21.2019, 0.3494,
0.2265


 108.4237, 0.3362,
0.2645

 13.2717, 0.3540,
0.2129


138.0729, 0.3346,
0.2690

 7.6159, 0.3597,
0.1954

172.6874, 0.3332,
0.2729

 3.8502, 0.3672,
0.1721

212.6514, 0.3320,
0.2763

 1.5901, 0.3769,
0.1398

258.3495, 0.3309,

 0.3509, 0.3973,

0.2794

0.0747

310.1660, 0.3299,
0.2821

0.0000, 0.4018,
0.0000

0.0000, 0.0000,
0.0000

45.4233, 0.3427,
0.2460

45.4233, 0.3427,
0.2460

38.4134, 0.3521,
0.2289

54.1457, 0.3342,
0.2648

32.9939, 0.3621,
0.2144

64.6793, 0.3267,
0.2842

29.0365, 0.3726,
0.2037

77.1228, 0.3202,
0.3036

26.3903, 0.3832,
0.1976

91.5658, 0.3146,
0.3223

■ 24.8712, 0.3934,
0.1963

99.4408, 0.3109,
0.3290

■ 24.3234, 0.3998,
0.1976

Harmonies

Analogous

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



45.4233, 0.2637, 0.2160



45.4233, 0.3427, 0.2460



45.4233, 0.4219, 0.2930

Triad

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



45.4233, 0.3427, 0.2460



45.4233, 0.4170, 0.4587



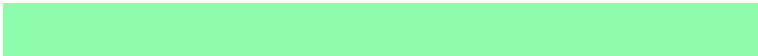
45.4233, 0.1787, 0.2770

Complementary

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



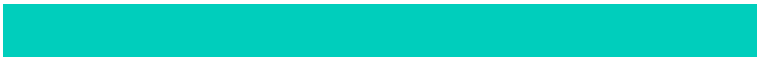
45.4233, 0.3427, 0.2460



78.2923, 0.2927, 0.4305

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.



45.4233, 0.2096, 0.3571



45.4233, 0.3427, 0.2460



45.4233, 0.3458, 0.4780

Square

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



45.4233, 0.3427, 0.2460



45.4233, 0.4640, 0.4081



45.4233, 0.2698, 0.4399



45.4233, 0.1784, 0.2270

Rectangle

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



45.4233, 0.3427, 0.2460



45.4233, 0.4581, 0.3301



45.4233, 0.2698, 0.4399



45.4233, 0.1855, 0.3010

Sweetspot

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



45.4254, 0.3427, 0.2460



80.1107, 0.3198, 0.3048



34.8639, 0.2496, 0.1991



16.4994, 0.3211, 0.3006



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.



45.4254, 0.3427, 0.2460



40.5093, 0.3505, 0.2315



42.9276, 0.3988, 0.3001



17.4446, 0.3177, 0.3115



12.6922, 0.3981, 0.1967



1.1926, 0.3868, 0.1905

Inverse Universe

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



45.4254, 0.3427, 0.2460



40.5093, 0.3505, 0.2315



80.7990, 0.2660, 0.3613



17.4446, 0.3177, 0.3115



12.6922, 0.3981, 0.1967



1.1926, 0.3868, 0.1905

Previews

White Background



This preview shows how the Yxy color 45.4233, 0.3427, 0.2460 looks on a white background.

Color Contrast Check

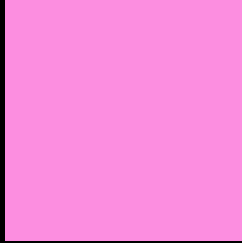
Large Text (above 18pt) WCAG AA × Fail

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 45.4233, 0.3427, 0.2460 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 45.4233, 0.3427, 0.2460

Background



This preview shows how black text looks on a background with the Yxy color 45.4233, 0.3427, 0.2460.

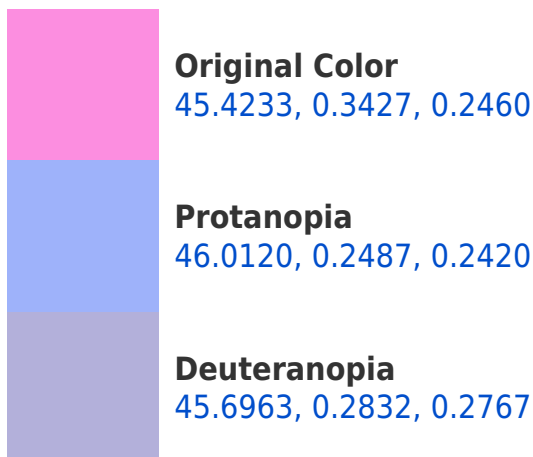


This preview shows how white text looks on a background with the Yxy color 45.4233, 0.3427, 0.2460.

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

45.2769, 0.3916, 0.3161

Trichromacy



Original Color

45.4233, 0.3427, 0.2460



Protanomaly

44.4676, 0.2766, 0.2408



Deuteranomaly

44.8400, 0.3036, 0.2636



Tritanomaly

45.3570, 0.3741, 0.2896

Monochromacy



Original Color

45.4233, 0.3427, 0.2460



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

46.0548, 0.3233, 0.2932

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4233, 0.3427, 0.2460 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(252, 142, 224)` looks like.

```
.text, #text, p{  
    color:rgb(252, 142, 224)  
}
```

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(252, 142, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 142, 224) }
```

Border

The CSS property to change the border of an element to Yxy 45.4233, 0.3427, 0.2460 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(252, 142, 224) }
```

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

```
.border{ border-color:rgb(252, 142, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 142, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 142, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 142, 224);  
box-shadow:4px 4px 4px 4px rgb(252, 142,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4233, 0.3427, 0.2460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 142, 224) }
```

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

```
.background{ background-color: rgb(252,  
142, 224) }
```

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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