

Converting Colors

$Y_{xy}(45.8805, 0.3421, 0.2462)$

Have a look what the booklet for
Yxy(45.8805, 0.3421, 0.2462)
contains.

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Color

Yxy(45.9638, 0.3425, 0.2463)

Conversions

Conversions Part 1

Format	Color
Hex	FD8FE1
RGB	253, 143, 225
RGB Percent	99%, 56%, 88%
CMY	0.0079, 0.4391, 0.1176
CMYK	0.00, 0.43, 0.11, 0.01
HSL	315°, 96%, 78%
HSV	315°, 43%, 99%
XYZ	63.9164, 45.9638, 76.7370
YIQ	185.2380, 39.2380, 48.8220

Conversions

Conversions Part 2

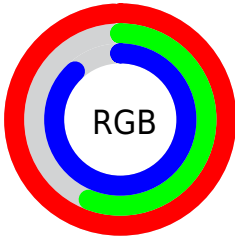
Format	Color
R _Y B	253, 143, 225
Decimal	16617441
CIE Lab	73.52, 52.18, -23.63
CIE LCh	74, 57.286, 335.634
Yxy	45.9638, 0.3425, 0.2463
Android (android.graphics.Color)	4294807521 (0xFFFD8FE1)
YUV	185.2380, 19.6027, 59.4273
Hunter-Lab	67.7966, 49.6398, -19.6510

Details

The Yxy color $45.9638, 0.3425, 0.2463$ is a light color, and the websafe version is hex $FF99FF$. A complement of this color would be $79.0218, 0.2928, 0.4300$, and the grayscale version is $48.5298, 0.3127, 0.3290$.

A 20% lighter version of the original color is $69.3268, 0.3153, 0.2742$, and $21.5164, 0.3481, 0.2264$ is the 20% darker color. If you saturate the color by 10%, you get $38.8618, 0.3518, 0.2291$, and if you desaturate by 10%, it is $54.7958, 0.3340, 0.2651$.

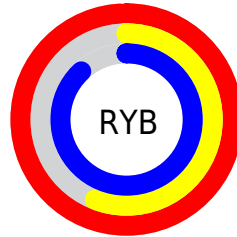
Distribution



Red (99%)

Green (56%)

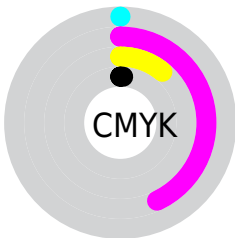
Blue (88%)



Red (99%)

Yellow (56%)

Blue (88%)

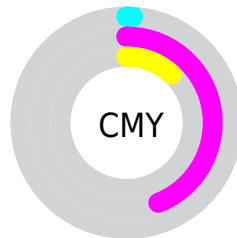


Cyan (0%)

Magenta (43%)

Yellow (11%)

Black (1%)



Cyan (1%)


Magenta (44%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9638, 0.3425, 0.2463 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 45.9638, 0.3425, 0.2463 by changing the saturation by 10% instead.


 45.9638, 0.3425,
0.2463


 45.9638, 0.3425,
0.2463


370.6631, 0.3290,
0.2846

 32.2173, 0.3455,
0.2376


 84.1648, 0.3379,
0.2596

 21.5275, 0.3491,
0.2269


 109.3881, 0.3361,
0.2647

 13.5101, 0.3536,
0.2135

139.2057, 0.3345,
0.2692

 7.7808, 0.3593,
0.1961

174.0021, 0.3331,
0.2731

 3.9550, 0.3666,
0.1730

214.1616, 0.3319,
0.2765

 1.6484, 0.3762,
0.1412

260.0687, 0.3308,

 0.3899, 0.3951,

0.2795

0.0800

312.1077, 0.3299,
0.2822

■ 0.0000, 0.4046,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.9638, 0.3425,
0.2463

■ 45.9638, 0.3425,
0.2463

■ 38.8618, 0.3518,
0.2291

■ 54.7958, 0.3340,
0.2651

■ 33.3667, 0.3619,
0.2146

■ 65.4573, 0.3266,
0.2845

■ 29.3495, 0.3724,
0.2038

■ 78.0476, 0.3200,
0.3039

■ 26.6582, 0.3829,
0.1976

■ 92.6572, 0.3145,
0.3227

■ 25.1078, 0.3931,
0.1962

99.6196, 0.3115,
0.3290

■ 24.5367, 0.3996,
0.1975

Harmonies

Analogous

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



45.9638, 0.2638, 0.2164



45.9638, 0.3425, 0.2463



45.9638, 0.4213, 0.2932

Triad

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



45.9638, 0.3425, 0.2463



45.9638, 0.4167, 0.4582



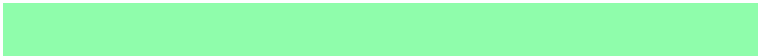
45.9638, 0.1793, 0.2774

Complementary

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



45.9638, 0.3425, 0.2463



79.0218, 0.2928, 0.4300

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.



45.9638, 0.2101, 0.3571



45.9638, 0.3425, 0.2463



45.9638, 0.3458, 0.4772

Square

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



45.9638, 0.3425, 0.2463



45.9638, 0.4633, 0.4079



45.9638, 0.2701, 0.4394



45.9638, 0.1789, 0.2275

Rectangle

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



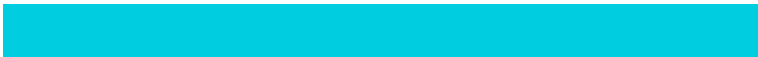
45.9638, 0.3425, 0.2463



45.9638, 0.4573, 0.3301



45.9638, 0.2701, 0.4394



45.9638, 0.1860, 0.3012

Sweetspot

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



45.9659, 0.3425, 0.2463



80.1114, 0.3198, 0.3048



35.3437, 0.2500, 0.1997



16.4996, 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.



45.9659, 0.3425, 0.2463



40.5117, 0.3504, 0.2315



43.4512, 0.3982, 0.3003



18.2167, 0.3177, 0.3114



13.0793, 0.3981, 0.1967



1.2911, 0.3873, 0.1907

Inverse Universe

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



45.9659, 0.3425, 0.2463



40.5117, 0.3504, 0.2315



81.5447, 0.2662, 0.3611



18.2167, 0.3177, 0.3114



13.0793, 0.3981, 0.1967



1.2911, 0.3873, 0.1907

Previews

White Background



This preview shows how the Yxy color 45.9638, 0.3425, 0.2463 looks on a white background.

Color Contrast Check

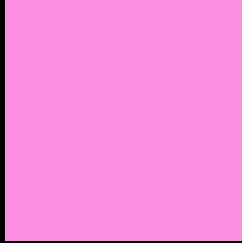
Large Text (above 18pt) WCAG AA × Fail

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 45.9638, 0.3425, 0.2463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

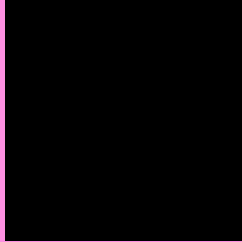
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.9638, 0.3425, 0.2463

Background



This preview shows how black text looks on a background with the Yxy color 45.9638, 0.3425, 0.2463.

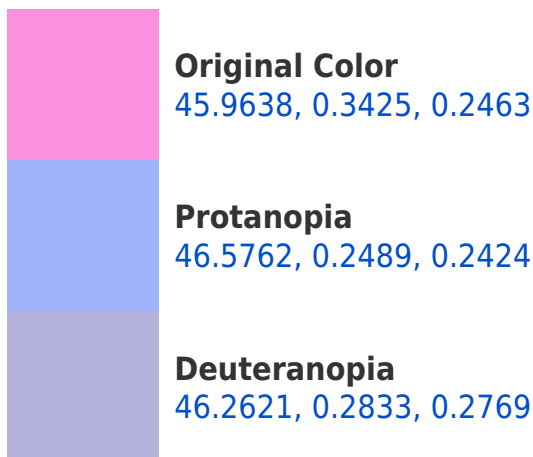


This preview shows how white text looks on a background with the Yxy color 45.9638, 0.3425, 0.2463.

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

45.8255, 0.3912, 0.3162

Trichromacy



Original Color

45.9638, 0.3425, 0.2463



Protanomaly

45.0207, 0.2768, 0.2412



Deuteranomaly

45.3961, 0.3036, 0.2639



Tritanomaly

45.9038, 0.3737, 0.2897

Monochromacy



Original Color

45.9638, 0.3425, 0.2463



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

46.6212, 0.3233, 0.2933

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9638, 0.3425, 0.2463 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(253, 143, 225)` looks like.

```
.text, #text, p{  
    color:rgb(253, 143, 225)  
}
```

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(253, 143, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 143, 225) }
```

Border

The CSS property to change the border of an element to Yxy 45.9638, 0.3425, 0.2463 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(253, 143, 225) }
```

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

```
.border{ border-color:rgb(253, 143, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 143, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 143, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 143, 225);  
box-shadow:4px 4px 4px 4px rgb(253, 143,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9638, 0.3425, 0.2463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 143, 225) }
```

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

```
.background{ background-color: rgb(253,  
143, 225) }
```

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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