

Converting Colors

$Y_{xy}(43.6481, 0.3406, 0.2327)$

Have a look what the booklet for
Yxy(43.6481, 0.3406, 0.2327)
contains.

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Color

Yxy(43.7482, 0.3407, 0.2332)

Conversions

Conversions Part 1

Format	Color
Hex	FF85E6
RGB	255, 133, 230
RGB Percent	100%, 52%, 90%
CMY	0.0000, 0.4785, 0.0980
CMYK	0.00, 0.48, 0.10, 0.00
HSL	312°, 100%, 76%
HSV	312°, 48%, 100%
XYZ	63.9151, 43.7482, 79.9361
YIQ	180.5360, 41.5750, 56.0310

Conversions

Conversions Part 2

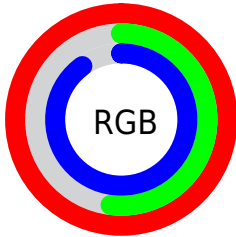
Format	Color
R_{YB}	255, 133, 230
Decimal	16745958
CIE _{Lab}	72.06, 58.48, -28.60
CIE _{LCh}	72, 65.100, 333.944
Yxy	43.7482, 0.3407, 0.2332
Android (android.graphics.Color)	4294936038 (0xFFFF85E6)
YUV	180.5360, 24.3858, 65.3049
Hunter-Lab	66.1424, 56.7400, -25.3550

Details

The Yxy color **43.7482, 0.3407, 0.2332** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **78.9746, 0.2941, 0.4501**, and the grayscale version is **45.7916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8752, 0.3157, 0.2644**, and **20.2405, 0.3466, 0.2118** is the 20% darker color. If you saturate the color by 10%, you get **37.3025, 0.3484, 0.2162**, and if you desaturate by 10%, it is **51.8937, 0.3335, 0.2524**.

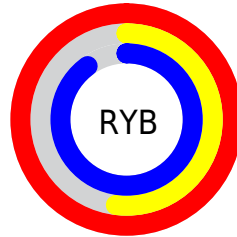
Distribution



Red (100%)

Green (52%)

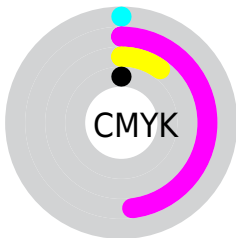
Blue (90%)



Red (100%)

Yellow (52%)

Blue (90%)

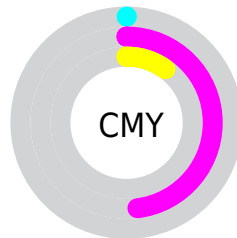


Cyan (0%)

Magenta (48%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (48%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.7482, 0.3407, 0.2332 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 43.7482, 0.3407, 0.2332 by changing the saturation by 10% instead.


 43.7482, 0.3407,
0.2332

 43.7482, 0.3407,
0.2332


361.6798, 0.3284,
0.2772

 30.4726, 0.3433,
0.2233


 80.8387, 0.3366,
0.2484

 20.1976, 0.3464,
0.2112


 105.4224, 0.3350,
0.2543

 12.5388, 0.3500,
0.1961


 134.5443, 0.3335,
0.2594

 7.1117, 0.3545,
0.1769

168.5887, 0.3323,
0.2639

 3.5321, 0.3597,
0.1516

207.9401, 0.3312,
0.2678

 1.4154, 0.3656,
0.1178

252.9828, 0.3302,

 0.2280, 0.3811,

0.2713

0.0451

304.1012, 0.3293,
0.2744

■ 0.0000, 0.3619,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.7482, 0.3407,
0.2332

■ 43.7482, 0.3407,
0.2332

■ 37.3025, 0.3484,
0.2162

■ 51.8937, 0.3335,
0.2524

■ 32.4370, 0.3565,
0.2025

■ 61.8566, 0.3270,
0.2727

■ 29.0079, 0.3647,
0.1929

■ 73.7377, 0.3212,
0.2933

■ 26.8478, 0.3728,
0.1879

■ 87.6321, 0.3162,
0.3136

■ 25.7326, 0.3804,
0.1876

100.0000, 0.3127,
0.3290

■ 25.5596, 0.3820,
0.1878

Harmonies

Analogous

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



43.7482, 0.2519, 0.2015



43.7482, 0.3407, 0.2332



43.7482, 0.4335, 0.2839

Triad

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



43.7482, 0.3407, 0.2332



43.7482, 0.4324, 0.4714



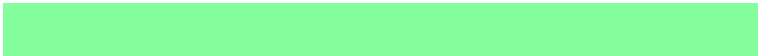
43.7482, 0.1633, 0.2723

Complementary

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



43.7482, 0.3407, 0.2332



78.9746, 0.2941, 0.4501

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.



43.7482, 0.1983, 0.3664



43.7482, 0.3407, 0.2332



43.7482, 0.3524, 0.5015

Square

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



43.7482, 0.3407, 0.2332



43.7482, 0.4854, 0.4107



43.7482, 0.2667, 0.4635



43.7482, 0.1618, 0.2153

Rectangle

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



43.7482, 0.3407, 0.2332



43.7482, 0.4769, 0.3242



43.7482, 0.2667, 0.4635



43.7482, 0.1711, 0.3001

Sweetspot

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



43.7465, 0.3407, 0.2332



78.8374, 0.3192, 0.3012



31.2014, 0.2376, 0.1834



16.2541, 0.3203, 0.2968



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.



43.7465, 0.3407, 0.2332



37.7844, 0.3478, 0.2176



40.9205, 0.4046, 0.2913



18.2328, 0.3170, 0.3103



13.3777, 0.3808, 0.1872



1.3179, 0.3727, 0.1827

Inverse Universe

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



43.7465, 0.3407, 0.2332



37.7844, 0.3478, 0.2176



81.5889, 0.2655, 0.3725



18.2328, 0.3170, 0.3103



13.3777, 0.3808, 0.1872



1.3179, 0.3727, 0.1827

Previews

White Background



This preview shows how the Yxy color 43.7482, 0.3407, 0.2332 looks on a white background.

Color Contrast Check

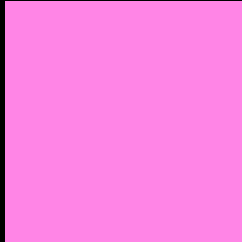
Large Text (above 18pt) WCAG AA × Fail

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 43.7482, 0.3407, 0.2332 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 43.7482, 0.3407, 0.2332

Background



This preview shows how black text looks on a background with the Yxy color 43.7482, 0.3407, 0.2332.

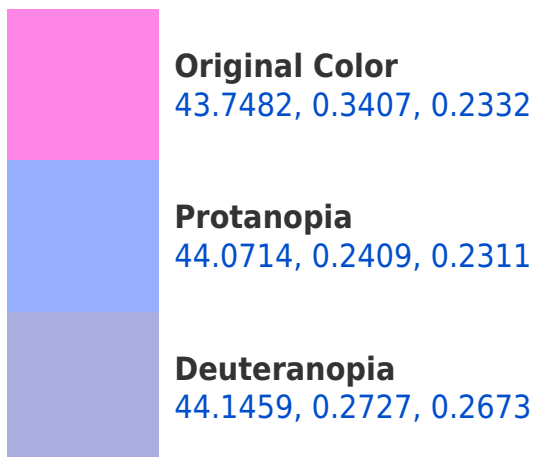


This preview shows how white text looks on a background with the Yxy color 43.7482, 0.3407, 0.2332.

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

43.8071, 0.4017, 0.3173

Trichromacy



Original Color

43.7482, 0.3407, 0.2332



Protanomaly

42.2689, 0.2704, 0.2285



Deuteranomaly

42.7048, 0.2946, 0.2505



Tritanomaly

43.4717, 0.3798, 0.2847

Monochromacy



Original Color

43.7482, 0.3407, 0.2332



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

44.0843, 0.3229, 0.2870

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.7482, 0.3407, 0.2332 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, 133, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 230)  
}
```

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, 133, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 230) }
```

Border

The CSS property to change the border of an element to Yxy 43.7482, 0.3407, 0.2332 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, 133, 230) }
```

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

```
.border{ border-color:rgb(255, 133, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 133, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 133, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 133, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 133,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 43.7482, 0.3407, 0.2332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 133, 230) }
```

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

```
.background{ background-color: rgb(255,  
133, 230) }
```

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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