

# Converting Colors

$Y_{xy}(45.8338, 0.3302, 0.2404)$

Have a look what the booklet for  
Yxy(45.8338, 0.3302, 0.2404)  
contains.

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# Color

**Yxy(45.8512, 0.3305, 0.2403)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F791E8
RGB	247, 145, 232
RGB Percent	97%, 57%, 91%
CMY	0.0312, 0.4315, 0.0901
CMYK	0.00, 0.41, 0.06, 0.03
HSL	309°, 87%, 77%
HSV	309°, 41%, 97%
XYZ	63.0621, 45.8512, 81.8949
YIQ	185.4160, 32.8650, 48.6810

# Conversions

## Conversions Part 2

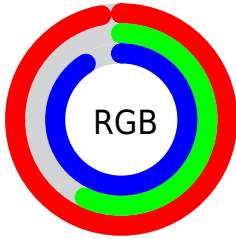
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	247, 145, 232
Decimal	16224744
CIE Lab	73.45, 50.54, -27.66
CIE LCh	73, 57.614, 331.306
Yxy	45.8512, 0.3305, 0.2403
Android (android.graphics.Color)	4294414824 (0xFFFF791E8)
YUV	185.4160, 22.9659, 54.0092
Hunter-Lab	67.7135, 47.7397, -24.3077

# Details

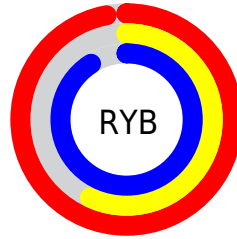
The Yxy color **45.8512, 0.3305, 0.2403** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **75.1001, 0.2992, 0.4381**, and the grayscale version is **48.6158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2533, 0.3152, 0.2762**, and **21.4356, 0.3340, 0.2199** is the 20% darker color. If you saturate the color by 10%, you get **38.9039, 0.3359, 0.2208**, and if you desaturate by 10%, it is **54.4481, 0.3254, 0.2614**.

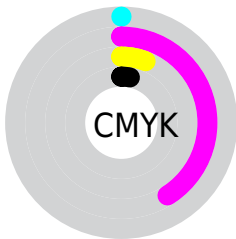
# Distribution



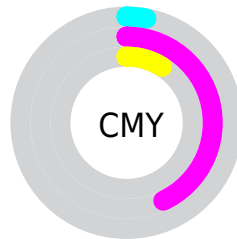
- Red (97%)
- Green (57%)
- Blue (91%)



- Red (97%)
- Yellow (57%)
- Blue (91%)



- Cyan (0%)
- Magenta (41%)
- Yellow (6%)
- Black (3%)




- Cyan (3%)
- Magenta (43%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8512, 0.3305, 0.2403 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 45.8512, 0.3305, 0.2403 by changing the saturation by 10% instead.





 45.8512, 0.3305,  
0.2403


 45.8512, 0.3305,  
0.2403


370.2101, 0.3231,  
0.2811

 32.1284, 0.3320,  
0.2311


 83.9963, 0.3281,  
0.2544

 21.4596, 0.3336,  
0.2198


 109.1873, 0.3271,  
0.2599

 13.4604, 0.3356,  
0.2057


138.9699, 0.3263,  
0.2646

 7.7463, 0.3377,  
0.1876

173.7285, 0.3255,  
0.2688

 3.9331, 0.3398,  
0.1638

213.8474, 0.3248,  
0.2724

 1.6362, 0.3413,  
0.1314

259.7110, 0.3242,

 0.3818, 0.3451,

0.2757

0.0714

311.7038, 0.3236,  
0.2785

0.0000, 0.3202,  
0.0000

0.0000, 0.0000,  
0.0000

45.8512, 0.3305,  
0.2403

45.8512, 0.3305,  
0.2403

38.9039, 0.3359,  
0.2208

54.4481, 0.3254,  
0.2614

33.4924, 0.3416,  
0.2040


64.7861, 0.3208,  
0.2833


29.4984, 0.3474,  
0.1909

76.9576, 0.3167,  
0.3051

26.7840, 0.3530,  
0.1820


91.0465, 0.3132,  
0.3263

 25.1831, 0.3584,  
0.1778

 98.2154, 0.3105,  
0.3336

 24.4702, 0.3628,  
0.1772

 98.4457, 0.3085,  
0.3301

 98.5211, 0.3078,  
0.3290

# Harmonies

## Analogous

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



45.8512, 0.2537, 0.2133



45.8512, 0.3305, 0.2403



45.8512, 0.4118, 0.2853

# Triad

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



45.8512, 0.3305, 0.2403



45.8512, 0.4260, 0.4528



45.8512, 0.1810, 0.2870

# Complementary

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



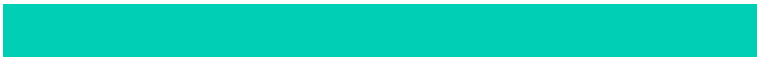
45.8512, 0.3305, 0.2403



75.1001, 0.2992, 0.4381

# 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.



45.8512, 0.2165, 0.3701



45.8512, 0.3305, 0.2403



45.8512, 0.3570, 0.4786

# Square

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



45.8512, 0.3305, 0.2403



45.8512, 0.4679, 0.3998



45.8512, 0.2802, 0.4494



45.8512, 0.1764, 0.2321



# Rectangle

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



45.8512, 0.3305, 0.2403



45.8512, 0.4521, 0.3217



45.8512, 0.2802, 0.4494



45.8512, 0.1894, 0.3124

# Sweetspot

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



45.8533, 0.3305, 0.2403



81.7202, 0.3170, 0.3036



34.2905, 0.2450, 0.2042



17.1045, 0.3175, 0.3007



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.



45.8533, 0.3305, 0.2403



42.6392, 0.3353, 0.2231



43.4191, 0.3792, 0.2890



16.7240, 0.3160, 0.3090



12.9536, 0.3620, 0.1768



1.1497, 0.3560, 0.1735



# Inverse Universe

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



45.8533, 0.3305, 0.2403



42.6392, 0.3353, 0.2231



77.1967, 0.2739, 0.3741



16.7240, 0.3160, 0.3090



12.9536, 0.3620, 0.1768

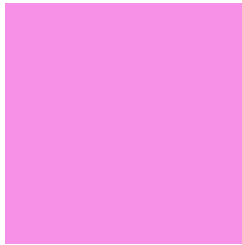


1.1497, 0.3560, 0.1735



# Previews

## White Background



This preview shows how the Yxy color 45.8512, 0.3305, 0.2403 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

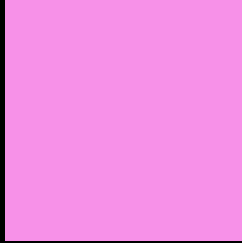
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.8512, 0.3305, 0.2403 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

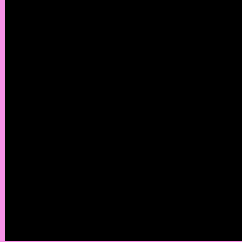
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.8512, 0.3305, 0.2403**

## Background



This preview shows how black text looks on a background with the Yxy color 45.8512, 0.3305, 0.2403.

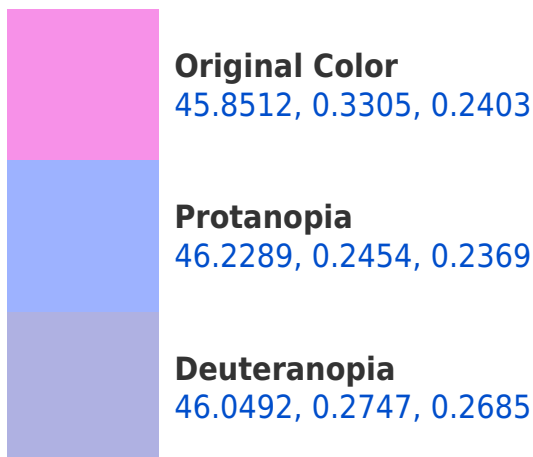


This preview shows how white text looks on a background with the Yxy color 45.8512, 0.3305, 0.2403.

# 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

45.8813, 0.3815, 0.3158

## Trichromacy



### Original Color

45.8512, 0.3305, 0.2403



### Protanomaly

44.9350, 0.2711, 0.2358



### Deuteranomaly

44.9292, 0.2932, 0.2555



### Tritanomaly

45.6874, 0.3626, 0.2858

## Monochromacy



### Original Color

45.8512, 0.3305, 0.2403



### Achromatopsia

48.5150, 0.3127, 0.3290



### Achromatomaly

46.4236, 0.3198, 0.2908

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.8512, 0.3305, 0.2403 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(247, 145, 232)` looks like.

```
.text, #text, p{  
    color:rgb(247, 145, 232)  
}
```

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(247, 145, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 145, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 45.8512, 0.3305, 0.2403 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(247, 145, 232) }
```

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

```
.border{ border-color:rgb(247, 145, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 145, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 145, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 145, 232);  
box-shadow:4px 4px 4px 4px rgb(247, 145,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.8512, 0.3305, 0.2403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 145, 232) }
```

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

```
.background{ background-color: rgb(247,  
145, 232) }
```

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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