

# Converting Colors

$Y_{xy}(38.9487, 0.3166, 0.2306)$

Have a look what the booklet for  
Yxy(38.9487, 0.3166, 0.2306)  
contains.

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# Color

**Yxy(38.8265, 0.3164, 0.2299)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E187E2
RGB	225, 135, 226
RGB Percent	88%, 53%, 89%
CMY	0.1178, 0.4705, 0.1138
CMYK	0.00, 0.40, 0.00, 0.11
HSL	299°, 61%, 71%
HSV	299°, 40%, 89%
XYZ	53.4350, 38.8265, 76.6228
YIQ	172.2840, 24.4290, 47.3810

# Conversions

## Conversions Part 2

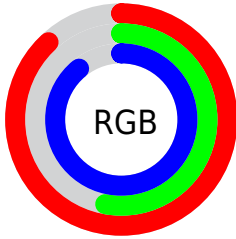
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">225, 135, 226</a>
Decimal	<a href="#">14780386</a>
CIELab	<a href="#">68.63, 47.90, -31.99</a>
CIELCh	<a href="#">69, 57.601, 326.265</a>
Yxy	<a href="#">38.8265, 0.3164, 0.2299</a>
Android (android.graphics.Color)	<a href="#">4292970466 (0xFFE187E2)</a>
YUV	<a href="#">172.2840, 26.4820, 46.2319</a>
Hunter-Lab	<a href="#">62.3109, 44.0293, -29.2904</a>

# Details

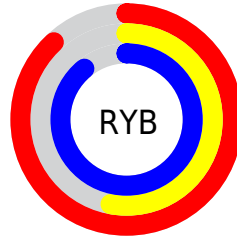
The Yxy color **38.8265, 0.3164, 0.2299** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **61.3759, 0.3075, 0.4523**, and the grayscale version is **41.2622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3069, 0.3157, 0.2653**, and **17.2617, 0.3158, 0.2063** is the 20% darker color. If you saturate the color by 10%, you get **33.1352, 0.3171, 0.2079**, and if you desaturate by 10%, it is **45.8596, 0.3156, 0.2538**.

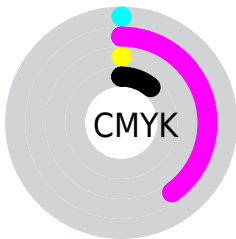
# Distribution



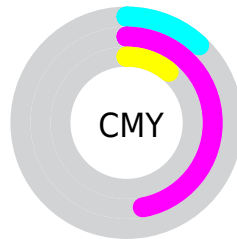
- Red (88%)
- Green (53%)
- Blue (89%)



- Red (88%)
- Yellow (53%)
- Blue (89%)



- Cyan (0%)
- Magenta (40%)
- Yellow (0%)
- Black (11%)




- Cyan (12%)
- Magenta (47%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.8265, 0.3164, 0.2299 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 38.8265, 0.3164, 0.2299 by changing the saturation by 10% instead.





 38.8265, 0.3164,  
0.2299


 38.8265, 0.3164,  
0.2299


341.1523, 0.3161,  
0.2764


 26.6248, 0.3160,  
0.2192


 73.3732, 0.3166,  
0.2461

 17.2916, 0.3154,  
0.2061


 96.4870, 0.3166,  
0.2524

 10.4426, 0.3141,  
0.1896


 124.0069, 0.3166,  
0.2578

 5.6934, 0.3117,  
0.1683

156.3173, 0.3165,  
0.2625

 2.6596, 0.3070,  
0.1401

193.8027, 0.3164,  
0.2666

 0.9567, 0.2972,  
0.1023

236.8474, 0.3163,

 0.0000, 0.2895,

0.2703


0.0000

285.8358, 0.3162,  
0.2735

 0.0000, 0.0000,  
0.0000


 38.8265, 0.3164,  
0.2299


 38.8265, 0.3164,  
0.2299


 33.1352, 0.3171,  
0.2079


 45.8596, 0.3156,  
0.2538

 28.6953, 0.3177,  
0.1889

 54.3074, 0.3147,  
0.2788

 25.4131, 0.3181,  
0.1736


 64.2435, 0.3137,  
0.3039


 23.1798, 0.3183,  
0.1626

 75.7349, 0.3127,  
0.3284


 21.8658, 0.3182,  
0.1558

 88.8447, 0.3118,  
0.3518

 21.2515, 0.3181,  
0.1526

 93.2589, 0.3116,  
0.3588

 93.3000, 0.3118,  
0.3588

 93.3411, 0.3119,  
0.3587

 93.3823, 0.3121,  
0.3587

# Harmonies

## Analogous

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



38.8265, 0.2392, 0.2055



38.8265, 0.3164, 0.2299



38.8265, 0.4040, 0.2740

# Triad

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



38.8265, 0.3164, 0.2299



38.8265, 0.4410, 0.4499



38.8265, 0.1786, 0.2971

# Complementary

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



38.8265, 0.3164, 0.2299



61.3759, 0.3075, 0.4523

# 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.



38.8265, 0.2207, 0.3883



38.8265, 0.3164, 0.2299



38.8265, 0.3716, 0.4858

# Square

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



38.8265, 0.3164, 0.2299



38.8265, 0.4791, 0.3917



38.8265, 0.2910, 0.4670



38.8265, 0.1689, 0.2340



# Rectangle

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



38.8265, 0.3164, 0.2299



38.8265, 0.4511, 0.3108



38.8265, 0.2910, 0.4670



38.8265, 0.1890, 0.3255

# Sweetspot

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



38.8282, 0.3164, 0.2299



81.9416, 0.3139, 0.2993



28.4042, 0.2385, 0.2078



17.1570, 0.3140, 0.2960



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.



38.8282, 0.3164, 0.2299



44.8865, 0.3170, 0.2120



36.8804, 0.3612, 0.2748



13.9274, 0.3136, 0.3059



12.1288, 0.3181, 0.1526



0.8433, 0.3186, 0.1529



# Inverse Universe

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



35.2808, 0.4136, 0.3281



39.6462, 0.4457, 0.3280



62.7953, 0.2824, 0.3913



13.7030, 0.3290, 0.3288



9.2286, 0.6388, 0.3293

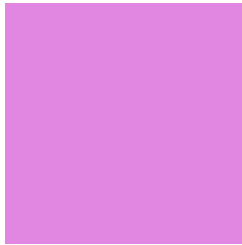


0.6406, 0.6351, 0.3272



# Previews

## White Background



This preview shows how the Yxy color 38.8265, 0.3164, 0.2299 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

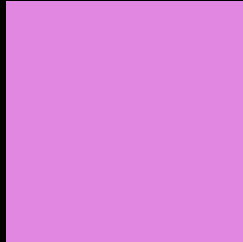
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 38.8265, 0.3164, 0.2299 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

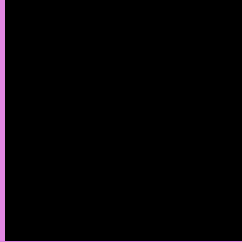
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 38.8265, 0.3164, 0.2299**

## Background



This preview shows how black text looks on a background with the Yxy color 38.8265, 0.3164, 0.2299.

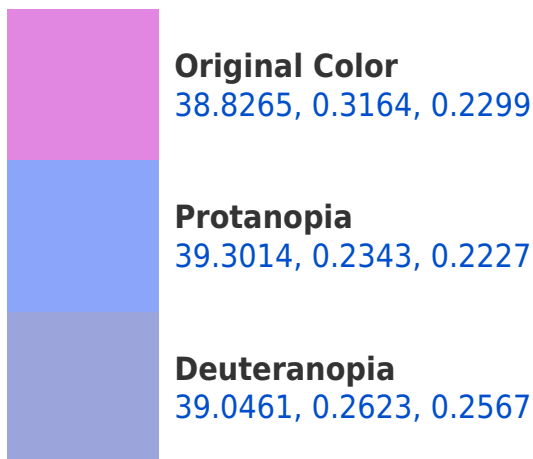


This preview shows how white text looks on a background with the Yxy color 38.8265, 0.3164, 0.2299.

# 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

38.6319, 0.3711, 0.3157

# Trichromacy



## Original Color

38.8265, 0.3164, 0.2299



## Protanomaly

38.0081, 0.2585, 0.2232



## Deuteranomaly

38.0884, 0.2796, 0.2444



## Tritanomaly

38.4673, 0.3503, 0.2817

# Monochromacy



## Original Color

38.8265, 0.3164, 0.2299



## Achromatopsia

41.2543, 0.3127, 0.3290



## Achromatomaly

39.6784, 0.3138, 0.2869

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.8265, 0.3164, 0.2299 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(225, 135, 226)` looks like.

```
.text, #text, p{  
    color:rgb(225, 135, 226)  
}
```

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(225, 135, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 135, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 38.8265, 0.3164, 0.2299 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(225, 135, 226) }
```

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

```
.border{ border-color:rgb(225, 135, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 135, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 135, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 135, 226);  
box-shadow:4px 4px 4px 4px rgb(225, 135,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.8265, 0.3164, 0.2299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 135, 226) }
```

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

```
.background{ background-color: rgb(225,  
135, 226) }
```

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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