

# Converting Colors

$Y_{xy}(40.0371, 0.3216, 0.2366)$

Have a look what the booklet for  
Yxy(40.0371, 0.3216, 0.2366)  
contains.

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**Color**

**Yxy(39.9987, 0.3218, 0.2366)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E48ADF
RGB	228, 138, 223
RGB Percent	89%, 54%, 87%
CMY	0.1059, 0.4588, 0.1255
CMYK	0.00, 0.39, 0.02, 0.11
HSL	303°, 63%, 72%
HSV	303°, 39%, 89%
XYZ	54.4023, 39.9987, 74.6552
YIQ	174.6000, 26.3550, 45.5150

# Conversions

## Conversions Part 2

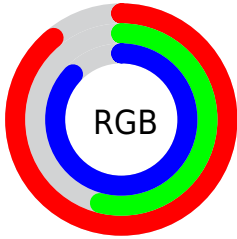
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	228, 138, 223
Decimal	14977759
CIE <sub>Lab</sub>	69.47, 46.74, -29.00
CIE <sub>LCh</sub>	69, 55.007, 328.185
Yxy	39.9987, 0.3218, 0.2366
Android (android.graphics.Color)	4293167839 (0xFFE48ADF)
YUV	174.6000, 23.8612, 46.8318
Hunter-Lab	63.2445, 42.8659, -25.7160

# Details

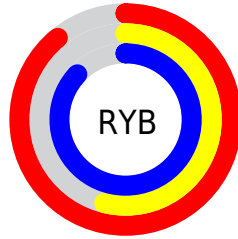
The Yxy color **39.9987, 0.3218, 0.2366** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **62.8779, 0.3043, 0.4430**, and the grayscale version is **42.5180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6199, 0.3156, 0.2683**, and **17.9821, 0.3221, 0.2136** is the 20% darker color. If you saturate the color by 10%, you get **34.0619, 0.3244, 0.2154**, and if you desaturate by 10%, it is **47.3128, 0.3193, 0.2596**.

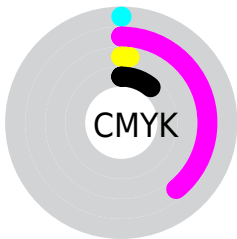
# Distribution



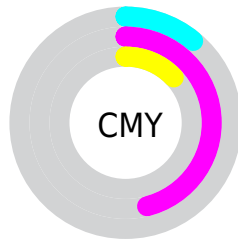
- Red (89%)
- Green (54%)
- Blue (87%)



- Red (89%)
- Yellow (54%)
- Blue (87%)



- Cyan (0%)
- Magenta (39%)
- Yellow (2%)
- Black (11%)




- Cyan (11%)
- Magenta (46%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.9987, 0.3218, 0.2366 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 39.9987, 0.3218, 0.2366 by changing the saturation by 10% instead.




 39.9987, 0.3218,  
0.2366


 39.9987, 0.3218,  
0.2366


346.1181, 0.3186,  
0.2801

 27.5375, 0.3222,  
0.2266


 75.1615, 0.3209,  
0.2518

 17.9773, 0.3225,  
0.2143


 98.6320, 0.3205,  
0.2576

 10.9337, 0.3226,  
0.1986


 126.5410, 0.3202,  
0.2627

 6.0223, 0.3222,  
0.1784

159.2729, 0.3198,  
0.2671

 2.8586, 0.3204,  
0.1514

197.2122, 0.3195,  
0.2709

 1.0584, 0.3152,  
0.1144

240.7433, 0.3192,

 0.0000, 0.3209,

0.2743

0.0000

290.2504, 0.3189,  
0.2773

■ 0.0000, 0.0416,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 39.9987, 0.3218,  
0.2366

■ 39.9987, 0.3218,  
0.2366

■ 34.0619, 0.3244,  
0.2154

■ 47.3128, 0.3193,  
0.2596

■ 29.4103, 0.3270,  
0.1969


■ 56.0780, 0.3169,  
0.2833


■ 25.9494, 0.3294,  
0.1820

■ 66.3690, 0.3146,  
0.3071

■ 23.5690, 0.3317,  
0.1713


■ 78.2542, 0.3126,  
0.3302


 22.1388, 0.3337,  
0.1649

 91.7975, 0.3108,  
0.3522


 21.4457, 0.3355,  
0.1623

 93.7629, 0.3099,  
0.3539

 21.4162, 0.3356,  
0.1622

 93.8348, 0.3092,  
0.3525

 93.9073, 0.3085,  
0.3512

 93.9803, 0.3078,  
0.3499

# Harmonies

## Analogous

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



39.9987, 0.2469, 0.2118



39.9987, 0.3218, 0.2366



39.9987, 0.4040, 0.2801

# Triad

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



39.9987, 0.3218, 0.2366



39.9987, 0.4319, 0.4480



39.9987, 0.1834, 0.2946

# Complementary

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



39.9987, 0.3218, 0.2366



62.8779, 0.3043, 0.4430

# 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.



39.9987, 0.2220, 0.3794



39.9987, 0.3218, 0.2366



39.9987, 0.3648, 0.4780

# Square

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



39.9987, 0.3218, 0.2366



39.9987, 0.4698, 0.3938



39.9987, 0.2880, 0.4552



39.9987, 0.1756, 0.2363



# Rectangle

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



39.9987, 0.3218, 0.2366



39.9987, 0.4470, 0.3159



39.9987, 0.2880, 0.4552



39.9987, 0.1928, 0.3209

# Sweetspot

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



40.0005, 0.3218, 0.2366



81.8971, 0.3152, 0.3009



29.5759, 0.2431, 0.2094



17.1464, 0.3155, 0.2978



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.



40.0005, 0.3218, 0.2366



45.4268, 0.3238, 0.2198



37.9082, 0.3664, 0.2825



14.6006, 0.3146, 0.3071



12.3717, 0.3354, 0.1621



0.9185, 0.3331, 0.1608



# Inverse Universe

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



40.0005, 0.3218, 0.2366



45.4268, 0.3238, 0.2198



64.5035, 0.2796, 0.3816



14.6006, 0.3146, 0.3071



12.3717, 0.3354, 0.1621



0.9185, 0.3331, 0.1608



# Previews

## White Background



This preview shows how the Yxy color 39.9987, 0.3218, 0.2366 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

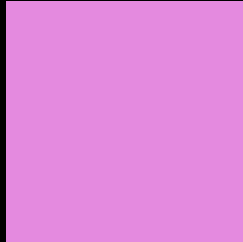
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.9987, 0.3218, 0.2366 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

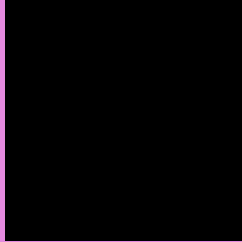
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.9987, 0.3218, 0.2366**

## Background



This preview shows how black text looks on a background with the Yxy color 39.9987, 0.3218, 0.2366.

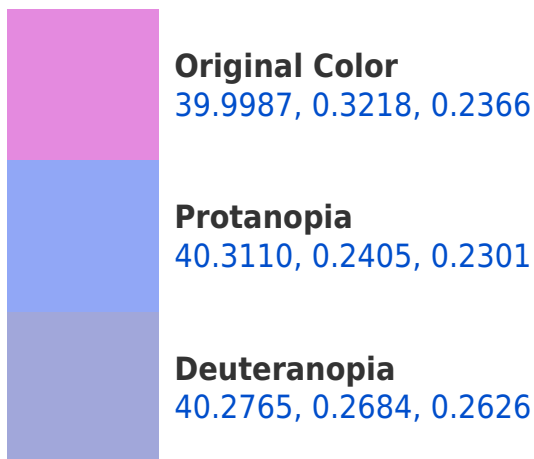


This preview shows how white text looks on a background with the Yxy color 39.9987, 0.3218, 0.2366.

# 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

39.9575, 0.3724, 0.3159

# Trichromacy



## Original Color

39.9987, 0.3218, 0.2366



## Protanomaly

39.0639, 0.2645, 0.2296



## Deuteranomaly

39.2585, 0.2854, 0.2501



## Tritanomaly

39.7064, 0.3539, 0.2847

# Monochromacy



## Original Color

39.9987, 0.3218, 0.2366



## Achromatopsia

42.8690, 0.3127, 0.3290



## Achromatomaly

41.1158, 0.3163, 0.2911

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.9987, 0.3218, 0.2366 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(228, 138, 223)` looks like.

```
.text, #text, p{  
    color:rgb(228, 138, 223)  
}
```

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(228, 138, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 138, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 39.9987, 0.3218, 0.2366 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(228, 138, 223) }
```

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

```
.border{ border-color:rgb(228, 138, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 138, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 138, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 138, 223);  
box-shadow:4px 4px 4px 4px rgb(228, 138,  
223) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.9987, 0.3218, 0.2366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 138, 223) }
```

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

```
.background{ background-color: rgb(228,  
138, 223) }
```

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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