

# Converting Colors

$Y_{xy}(41.9015, 0.3221, 0.2278)$

Have a look what the booklet for  
Yxy(41.9015, 0.3221, 0.2278)  
contains.

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# Color

**Yxy(41.8996, 0.3221, 0.2278)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EF88EA
RGB	239, 136, 234
RGB Percent	94%, 53%, 92%
CMY	0.0628, 0.4666, 0.0825
CMYK	0.00, 0.43, 0.02, 0.06
HSL	303°, 76%, 74%
HSV	303°, 43%, 94%
XYZ	59.2443, 41.8996, 82.7876
YIQ	177.9690, 29.9300, 52.3140

# Conversions

## Conversions Part 2

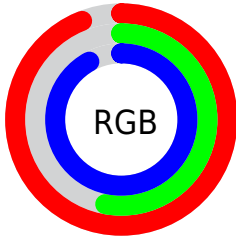
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	239, 136, 234
Decimal	15698154
CIE <sub>Lab</sub>	70.80, 52.96, -32.88
CIE <sub>LCh</sub>	71, 62.343, 328.165
Yxy	41.8996, 0.3221, 0.2278
Android (android.graphics.Color)	4293888234 (0xFFEF88EA)
YUV	177.9690, 27.6233, 53.5242
Hunter-Lab	64.7299, 50.0956, -30.5192

# Details

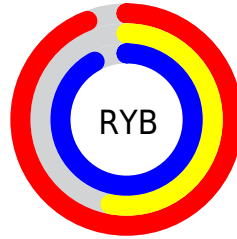
The Yxy color **41.8996, 0.3221, 0.2278** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **68.8828, 0.3039, 0.4568**, and the grayscale version is **44.3453, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.1793, 0.3156, 0.2673**, and **19.0727, 0.3224, 0.2042** is the 20% darker color. If you saturate the color by 10%, you get **35.8360, 0.3245, 0.2074**, and if you desaturate by 10%, it is **49.4680, 0.3197, 0.2504**.

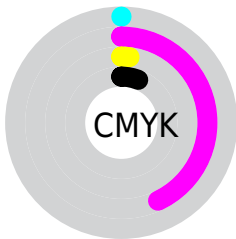
# Distribution



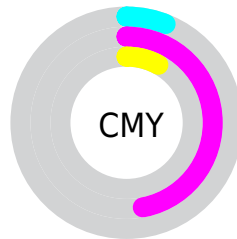
- Red (94%)
- Green (53%)
- Blue (92%)



- Red (94%)
- Yellow (53%)
- Blue (92%)



- Cyan (0%)
- Magenta (43%)
- Yellow (2%)
- Black (6%)




- Cyan (6%)
- Magenta (47%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.8996, 0.3221, 0.2278 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 41.8996, 0.3221, 0.2278 by changing the saturation by 10% instead.





 41.8996, 0.3221,  
0.2278


 41.8996, 0.3221,  
0.2278


354.0666, 0.3191,  
0.2745

 29.0227, 0.3224,  
0.2173


 78.0477, 0.3214,  
0.2439

 19.0980, 0.3225,  
0.2045


 102.0876, 0.3210,  
0.2502

 11.7411, 0.3224,  
0.1885


 130.6173, 0.3206,  
0.2556

 6.5676, 0.3215,  
0.1681

164.0212, 0.3203,  
0.2603

 3.1932, 0.3192,  
0.1415

202.6837, 0.3200,  
0.2645

 1.2334, 0.3134,  
0.1063

246.9891, 0.3197,

 0.0887, 0.3117,

0.2682

0.0185

297.3220, 0.3194,  
0.2715

■ 0.0000, 0.2120,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 41.8996, 0.3221,  
0.2278

■ 41.8996, 0.3221,  
0.2278

■ 35.8360, 0.3245,  
0.2074

■ 49.4680, 0.3197,  
0.2504

■ 31.1707, 0.3268,  
0.1900

■ 58.6271, 0.3174,  
0.2742

■ 27.7922, 0.3290,  
0.1765


■ 69.4632, 0.3153,  
0.2982


■ 25.5698, 0.3309,  
0.1674


■ 82.0546, 0.3133,  
0.3219


 24.3447, 0.3326,  
0.1626


 96.1462, 0.3115,  
0.3441

 23.9136, 0.3337,  
0.1612

 96.2154, 0.3108,  
0.3429

 96.2851, 0.3102,  
0.3417

 96.3552, 0.3095,  
0.3406

 96.4258, 0.3089,  
0.3394

# Harmonies

## Analogous

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



41.8996, 0.2397, 0.2010



41.8996, 0.3221, 0.2278



41.8996, 0.4143, 0.2746

# Triad

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



41.8996, 0.3221, 0.2278



41.8996, 0.4426, 0.4582



41.8996, 0.1708, 0.2894

# Complementary

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



41.8996, 0.3221, 0.2278



68.8828, 0.3039, 0.4568

# 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.



41.8996, 0.2120, 0.3852



41.8996, 0.3221, 0.2278



41.8996, 0.3682, 0.4952

# Square

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



41.8996, 0.3221, 0.2278



41.8996, 0.4861, 0.3972



41.8996, 0.2838, 0.4720



41.8996, 0.1630, 0.2261



# Rectangle

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



41.8996, 0.3221, 0.2278



41.8996, 0.4624, 0.3130



41.8996, 0.2838, 0.4720



41.8996, 0.1806, 0.3188

# Sweetspot

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



41.9015, 0.3221, 0.2278



80.5395, 0.3153, 0.2983



29.3739, 0.2341, 0.1959



16.6063, 0.3157, 0.2930



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.



41.9015, 0.3221, 0.2278



42.0891, 0.3243, 0.2091



39.4260, 0.3719, 0.2763



16.0174, 0.3145, 0.3068



13.2233, 0.3335, 0.1611



1.1041, 0.3317, 0.1601



# Inverse Universe

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



41.9015, 0.3221, 0.2278



42.0891, 0.3243, 0.2091



70.7175, 0.2780, 0.3899



16.0174, 0.3145, 0.3068



13.2233, 0.3335, 0.1611



1.1041, 0.3317, 0.1601



# Previews

## White Background



This preview shows how the Yxy color 41.8996, 0.3221, 0.2278 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

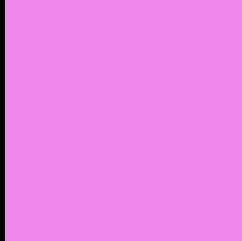
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.8996, 0.3221, 0.2278 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

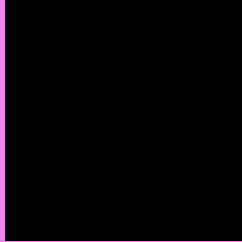
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.8996, 0.3221, 0.2278**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.8996, 0.3221, 0.2278.

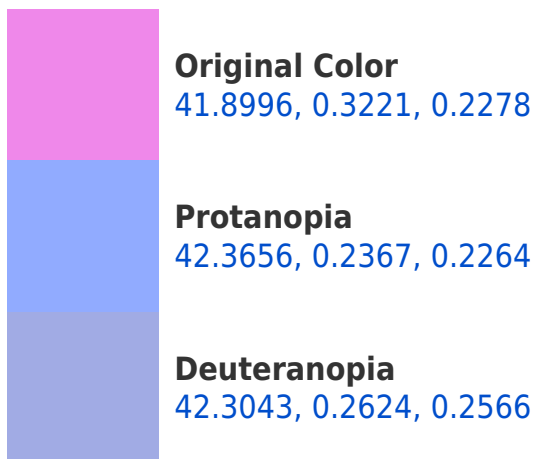


This preview shows how white text looks on a background with the Yxy color 41.8996, 0.3221, 0.2278.

# 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

41.9238, 0.3810, 0.3165

# Trichromacy



## Original Color

41.8996, 0.3221, 0.2278



## Protanomaly

40.7528, 0.2620, 0.2243



## Deuteranomaly

40.9857, 0.2815, 0.2429



## Tritanomaly

41.5555, 0.3586, 0.2808

# Monochromacy



## Original Color

41.8996, 0.3221, 0.2278



## Achromatopsia

44.5201, 0.3127, 0.3290



## Achromatomaly

42.5510, 0.3166, 0.2859

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.8996, 0.3221, 0.2278 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(239, 136, 234)` looks like.

```
.text, #text, p{  
    color:rgb(239, 136, 234)  
}
```

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(239, 136, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 136, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 41.8996, 0.3221, 0.2278 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(239, 136, 234) }
```

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

```
.border{ border-color:rgb(239, 136, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 136, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 136, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 136, 234);  
box-shadow:4px 4px 4px 4px rgb(239, 136,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.8996, 0.3221, 0.2278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 136, 234) }
```

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

```
.background{ background-color: rgb(239,  
136, 234) }
```

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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