

# Converting Colors

Yxy(39.7861, 0.3226, 0.2183)

Have a look what the booklet for  
Yxy(39.7861, 0.3226, 0.2183)  
contains.

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**Color**

**Yxy(39.9356, 0.3226, 0.2184)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F17FEC
RGB	241, 127, 236
RGB Percent	95%, 50%, 93%
CMY	0.0551, 0.5018, 0.0746
CMYK	0.00, 0.47, 0.02, 0.06
HSL	303°, 80%, 72%
HSV	303°, 47%, 94%
XYZ	58.9891, 39.9356, 83.9306
YIQ	173.5120, 32.9550, 58.0670

# Conversions

## Conversions Part 2

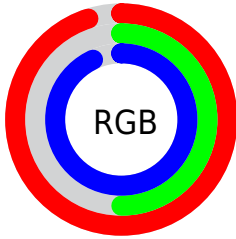
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	241, 127, 236
Decimal	15826924
CIE Lab	69.42, 58.29, -36.10
CIE LCh	69, 68.562, 328.232
Yxy	39.9356, 0.3226, 0.2184
Android (android.graphics.Color)	4294017004 (0xFFFF17FEC)
YUV	173.5120, 30.8066, 59.1870
Hunter-Lab	63.1946, 56.0305, -34.5085

# Details

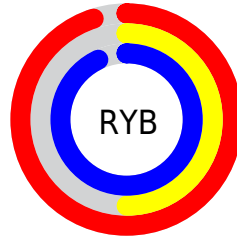
The Yxy color **39.9356, 0.3226, 0.2184** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **69.0652, 0.3033, 0.4722**, and the grayscale version is **41.8956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3470, 0.3160, 0.2585**, and **17.9973, 0.3230, 0.1932** is the 20% darker color. If you saturate the color by 10%, you get **34.3763, 0.3248, 0.1991**, and if you desaturate by 10%, it is **46.9870, 0.3203, 0.2403**.

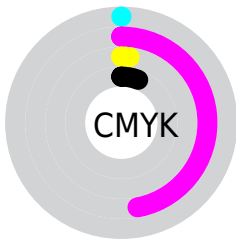
# Distribution



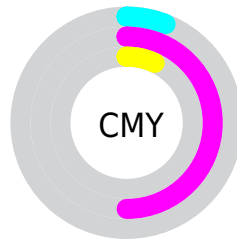
- Red (95%)
- Green (50%)
- Blue (93%)



- Red (95%)
- Yellow (50%)
- Blue (93%)



- Cyan (0%)
- Magenta (47%)
- Yellow (2%)
- Black (6%)




- Cyan (6%)
- Magenta (50%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.9356, 0.3226, 0.2184 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 39.9356, 0.3226, 0.2184 by changing the saturation by 10% instead.




 39.9356, 0.3226,  
0.2184


 39.9356, 0.3226,  
0.2184


345.8521, 0.3197,  
0.2692

 27.4883, 0.3228,  
0.2071


 75.0654, 0.3220,  
0.2358

 17.9403, 0.3228,  
0.1933


 98.5168, 0.3216,  
0.2427

 10.9071, 0.3223,  
0.1761


 126.4050, 0.3213,  
0.2486

 6.0044, 0.3209,  
0.1545

159.1144, 0.3209,  
0.2538

 2.8478, 0.3177,  
0.1267

197.0294, 0.3206,  
0.2583

 1.0528, 0.3101,  
0.0908

240.5344, 0.3203,

 0.0000, 0.3058,

0.2624

0.0000

290.0138, 0.3200,  
0.2660

0.0000, 0.1953,  
0.0000

0.0000, 0.0000,  
0.0000

39.9356, 0.3226,  
0.2184

39.9356, 0.3226,  
0.2184

34.3763, 0.3248,  
0.1991

46.9870, 0.3203,  
0.2403

30.1960, 0.3269,  
0.1832

55.6223, 0.3181,  
0.2638

27.2741, 0.3289,  
0.1715


65.9321, 0.3160,  
0.2880

25.4670, 0.3305,  
0.1642

77.9989, 0.3140,  
0.3120


 24.5874, 0.3320,  
0.1610


 91.8994, 0.3122,  
0.3352

 24.4285, 0.3324,  
0.1605

 96.6411, 0.3113,  
0.3415

 96.7047, 0.3107,  
0.3405

 96.7688, 0.3101,  
0.3394

 96.8332, 0.3095,  
0.3384

# Harmonies

## Analogous

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



39.9356, 0.2320, 0.1895



39.9356, 0.3226, 0.2184



39.9356, 0.4261, 0.2686

# Triad

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



39.9356, 0.3226, 0.2184



39.9356, 0.4532, 0.4687



39.9356, 0.1571, 0.2830

# Complementary

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



39.9356, 0.3226, 0.2184



69.0652, 0.3033, 0.4722

# 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.



39.9356, 0.2006, 0.3914



39.9356, 0.3226, 0.2184



39.9356, 0.3707, 0.5143

# Square

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



39.9356, 0.3226, 0.2184



39.9356, 0.5036, 0.4002



39.9356, 0.2785, 0.4914



39.9356, 0.1497, 0.2147



# Rectangle

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



39.9356, 0.3226, 0.2184



39.9356, 0.4799, 0.3098



39.9356, 0.2785, 0.4914



39.9356, 0.1674, 0.3157

# Sweetspot

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



39.9374, 0.3226, 0.2184



79.1995, 0.3154, 0.2958



26.3515, 0.2251, 0.1809



16.3432, 0.3158, 0.2905



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.



39.9374, 0.3226, 0.2184



39.1535, 0.3248, 0.1993



37.1867, 0.3803, 0.2714



16.0188, 0.3145, 0.3067



13.2584, 0.3322, 0.1604



1.1067, 0.3306, 0.1595



# Inverse Universe

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



39.9374, 0.3226, 0.2184



39.1535, 0.3248, 0.1993



71.0204, 0.2754, 0.3971



16.0188, 0.3145, 0.3067



13.2584, 0.3322, 0.1604

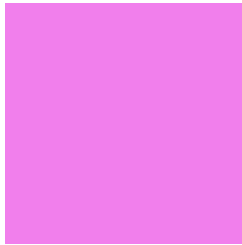


1.1067, 0.3306, 0.1595



# Previews

## White Background



This preview shows how the Yxy color 39.9356, 0.3226, 0.2184 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

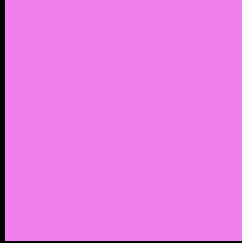
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.9356, 0.3226, 0.2184 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

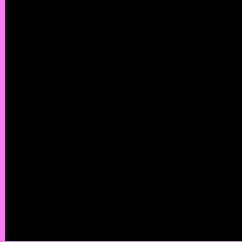
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.9356, 0.3226, 0.2184**

## Background



This preview shows how black text looks on a background with the Yxy color 39.9356, 0.3226, 0.2184.



This preview shows how white text looks on a background with the Yxy color 39.9356, 0.3226, 0.2184.

# 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



### Original Color

39.9356, 0.3226, 0.2184

### Protanopia

40.3464, 0.2323, 0.2205

### Deuteranopia

40.0669, 0.2555, 0.2491



## Tritanopia

39.6400, 0.3919, 0.3165

# Trichromacy



## Original Color

39.9356, 0.3226, 0.2184



## Protanomaly

38.4639, 0.2584, 0.2157



## Deuteranomaly

38.5970, 0.2763, 0.2328



## Tritanomaly

39.3419, 0.3664, 0.2767

# Monochromacy



## Original Color

39.9356, 0.3226, 0.2184



## Achromatopsia

42.3268, 0.3127, 0.3290



## Achromatomaly

40.1509, 0.3160, 0.2793

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.9356, 0.3226, 0.2184 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(241, 127, 236)` looks like.

```
.text, #text, p{  
    color:rgb(241, 127, 236)  
}
```

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(241, 127, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 127, 236) }
```

## Border

The CSS property to change the border of an element to Yxy 39.9356, 0.3226, 0.2184 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(241, 127, 236) }
```

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

```
.border{ border-color:rgb(241, 127, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 127, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 127, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 127, 236);  
box-shadow:4px 4px 4px 4px rgb(241, 127,  
236) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.9356, 0.3226, 0.2184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 127, 236) }
```

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

```
.background{ background-color: rgb(241,  
127, 236) }
```

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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