

# Converting Colors

$Y_{xy}(39.6019, 0.3199, 0.2141)$

Have a look what the booklet for  
Yxy(39.6019, 0.3199, 0.2141)  
contains.

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# Color

**Yxy(39.6000, 0.3200, 0.2141)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F17DEF
RGB	241, 125, 239
RGB Percent	95%, 49%, 94%
CMY	0.0549, 0.5098, 0.0628
CMYK	0.00, 0.48, 0.01, 0.05
HSL	301°, 81%, 72%
HSV	301°, 48%, 95%
XYZ	59.1873, 39.6000, 86.1730
YIQ	172.6800, 32.5420, 60.0460

# Conversions

## Conversions Part 2

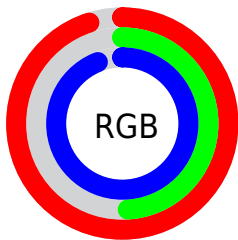
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	241, 125, 239
Decimal	15826415
CIE <sub>Lab</sub>	69.18, 59.80, -38.13
CIE <sub>LCh</sub>	69, 70.923, 327.478
Yxy	39.6000, 0.3200, 0.2141
Android (android.graphics.Color)	4294016495 (0xFFFF17DEF)
YUV	172.6800, 32.6958, 59.9166
Hunter-Lab	62.9285, 57.7629, -37.1405

# Details

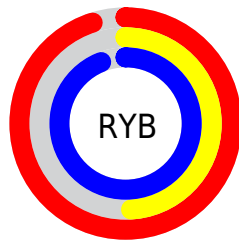
The Yxy color **39.6000, 0.3200, 0.2141** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **68.8051, 0.3046, 0.4791**, and the grayscale version is **41.4378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5277, 0.3161, 0.2565**, and **17.8665, 0.3193, 0.1885** is the 20% darker color. If you saturate the color by 10%, you get **34.1972, 0.3214, 0.1948**, and if you desaturate by 10%, it is **46.4865, 0.3185, 0.2362**.

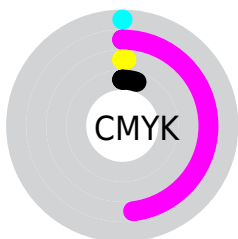
# Distribution



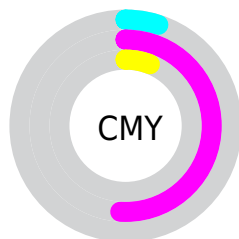
- Red (95%)
- Green (49%)
- Blue (94%)



- Red (95%)
- Yellow (49%)
- Blue (94%)



- Cyan (0%)
- Magenta (48%)
- Yellow (1%)
- Black (5%)




- Cyan (5%)
- Magenta (51%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.6000, 0.3200, 0.2141 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 39.6000, 0.3200, 0.2141 by changing the saturation by 10% instead.





 39.6000, 0.3200,  
0.2141


 39.6000, 0.3200,  
0.2141


344.4347, 0.3186,  
0.2667


 27.2268, 0.3198,  
0.2024


 74.5540, 0.3199,  
0.2321

 17.7436, 0.3193,  
0.1883


 97.9036, 0.3198,  
0.2392

 10.7661, 0.3181,  
0.1708


 125.6809, 0.3196,  
0.2453

 5.9098, 0.3158,  
0.1488

158.2701, 0.3194,  
0.2507

 2.7903, 0.3112,  
0.1208

196.0557, 0.3192,  
0.2554

 1.0233, 0.3015,  
0.0850

239.4221, 0.3190,

 0.0000, 0.2922,

0.2596

0.0000

288.7536, 0.3188,  
0.2633

0.0000, 0.1848,  
0.0000

0.0000, 0.0000,  
0.0000

39.6000, 0.3200,  
0.2141

39.6000, 0.3200,  
0.2141

34.1972, 0.3214,  
0.1948

46.4865, 0.3185,  
0.2362

30.1638, 0.3227,  
0.1790


54.9495, 0.3169,  
0.2601

27.3778, 0.3238,  
0.1675

65.0801, 0.3154,  
0.2848

25.6932, 0.3246,  
0.1603


76.9614, 0.3139,  
0.3094

 24.9069, 0.3253,  
0.1570

 90.6707, 0.3125,  
0.3334

 24.8044, 0.3254,  
0.1566

 96.6017, 0.3118,  
0.3423

 96.6269, 0.3115,  
0.3419

 96.6521, 0.3113,  
0.3415

 96.6773, 0.3111,  
0.3411

# Harmonies

## Analogous

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



39.6000, 0.2273, 0.1851



39.6000, 0.3200, 0.2141



39.6000, 0.4277, 0.2650

# Triad

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



39.6000, 0.3200, 0.2141



39.6000, 0.4586, 0.4704



39.6000, 0.1531, 0.2832

# Complementary

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



39.6000, 0.3200, 0.2141



68.8051, 0.3046, 0.4791

# 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.



39.6000, 0.1982, 0.3968



39.6000, 0.3200, 0.2141



39.6000, 0.3738, 0.5204

# Square

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



39.6000, 0.3200, 0.2141



39.6000, 0.5103, 0.3992



39.6000, 0.2789, 0.5001



39.6000, 0.1450, 0.2120



# Rectangle

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



39.6000, 0.3200, 0.2141



39.6000, 0.4844, 0.3068



39.6000, 0.2789, 0.5001



39.6000, 0.1638, 0.3174

# Sweetspot

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



39.6018, 0.3200, 0.2141



79.2598, 0.3148, 0.2949



25.5283, 0.2220, 0.1773



16.3581, 0.3151, 0.2895



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.



39.6018, 0.3200, 0.2141



38.8517, 0.3214, 0.1947



36.7099, 0.3799, 0.2684



16.0264, 0.3141, 0.3061



13.4530, 0.3253, 0.1566



1.1207, 0.3247, 0.1562



# Inverse Universe

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



39.6018, 0.3200, 0.2141



38.8517, 0.3214, 0.1947



70.7723, 0.2759, 0.4012



16.0264, 0.3141, 0.3061



13.4530, 0.3253, 0.1566



1.1207, 0.3247, 0.1562



# Previews

## White Background



This preview shows how the Yxy color 39.6000, 0.3200, 0.2141 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

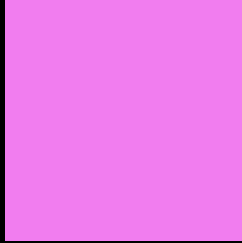
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.6000, 0.3200, 0.2141 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

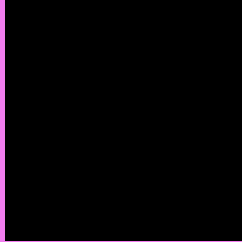
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.6000, 0.3200, 0.2141**

## Background



This preview shows how black text looks on a background with the Yxy color 39.6000, 0.3200, 0.2141.

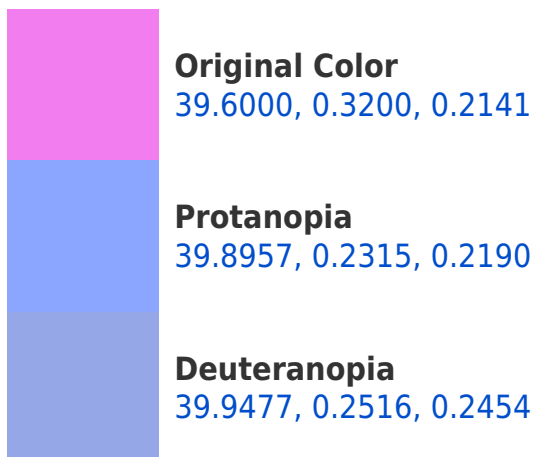


This preview shows how white text looks on a background with the Yxy color 39.6000, 0.3200, 0.2141.

# 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

39.6063, 0.3930, 0.3177

# Trichromacy



## Original Color

39.6000, 0.3200, 0.2141



## Protanomaly

38.0867, 0.2568, 0.2134



## Deuteranomaly

38.5219, 0.2725, 0.2294



## Tritanomaly

39.3843, 0.3654, 0.2756

# Monochromacy



## Original Color

39.6000, 0.3200, 0.2141



## Achromatopsia

41.7885, 0.3127, 0.3290



## Achromatomaly

39.8139, 0.3160, 0.2780

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.6000, 0.3200, 0.2141 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, 125, 239)` looks like.

```
.text, #text, p{  
    color:rgb(241, 125, 239)  
}
```

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, 125, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 125, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 39.6000, 0.3200, 0.2141 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, 125, 239) }
```

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

```
.border{ border-color:rgb(241, 125, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 125, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 125, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 125, 239);  
box-shadow:4px 4px 4px 4px rgb(241, 125,  
239) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.6000, 0.3200, 0.2141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 125, 239) }
```

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

```
.background{ background-color: rgb(241,  
125, 239) }
```

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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