

# Converting Colors

Yxy(28.1667, 0.3817, 0.2449)

Have a look what the booklet for  
Yxy(28.1667, 0.3817, 0.2449)  
contains.

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# Color

**Yxy(28.0994, 0.3813, 0.2440)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E461AE
RGB	228, 97, 174
RGB Percent	89%, 38%, 68%
CMY	0.1058, 0.6196, 0.3177
CMYK	0.00, 0.57, 0.24, 0.11
HSL	325°, 71%, 64%
HSV	325°, 57%, 89%
XYZ	43.9111, 28.0994, 43.1510
YIQ	144.9470, 53.3590, 51.7190

# Conversions

## Conversions Part 2

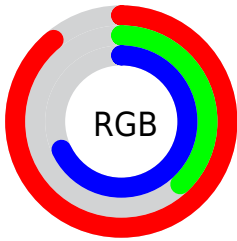
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	228, 97, 174
Decimal	14967214
CIE <sub>Lab</sub>	59.98, 59.04, -15.91
CIE <sub>LCh</sub>	60, 61.142, 344.918
Y <sub>xy</sub>	28.0994, 0.3813, 0.2440
Android (android.graphics.Color)	4293157294 (0xFFE461AE)
YUV	144.9470, 14.3231, 72.8375
Hunter-Lab	53.0089, 55.0989, -11.1579

# Details

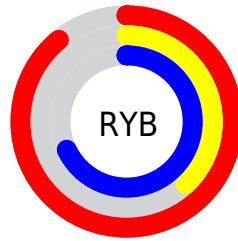
The Yxy color **28.0994, 0.3813, 0.2440** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **60.2678, 0.2784, 0.4385**, and the grayscale version is **28.2179, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.7556, 0.3386, 0.2518**, and **11.2264, 0.4010, 0.2189** is the 20% darker color. If you saturate the color by 10%, you get **24.1216, 0.3993, 0.2337**, and if you desaturate by 10%, it is **33.3162, 0.3649, 0.2572**.

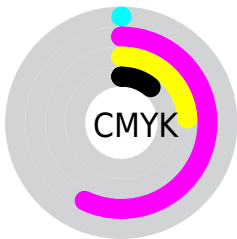
# Distribution



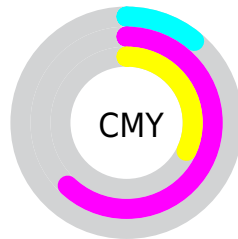
- Red (89%)
- Green (38%)
- Blue (68%)



- Red (89%)
- Yellow (38%)
- Blue (68%)



- Cyan (0%)
- Magenta (57%)
- Yellow (24%)
- Black (11%)




- Cyan (11%)
- Magenta (62%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.0994, 0.3813, 0.2440 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 28.0994, 0.3813, 0.2440 by changing the saturation by 10% instead.





 28.0994, 0.3813,  
0.2440


 28.0994, 0.3813,  
0.2440


292.9416, 0.3458,  
0.2868

 18.4006, 0.3905,  
0.2333


 56.6431, 0.3682,  
0.2596


 11.2380, 0.4025,  
0.2196


 76.2568, 0.3633,  
0.2654

 6.2271, 0.4187,  
0.2015


 99.9442, 0.3592,  
0.2704

 2.9837, 0.4419,  
0.1766

 128.0898, 0.3557,  
0.2746

 1.1232, 0.4771,  
0.1409

161.0780, 0.3527,  
0.2783

 0.0000, 0.5875,  
0.0000

199.2930, 0.3501,


 0.0000, 1.0000,


0.2815


0.0000


243.1194, 0.3479,  
0.2843


 0.0000, 0.0000,  
0.0000

 28.0994, 0.3813,  
0.2440


 28.0994, 0.3813,  
0.2440


 24.1216, 0.3993,  
0.2337


 33.3162, 0.3649,  
0.2572


 21.2712, 0.4183,  
0.2274


 39.8625, 0.3505,  
0.2720


 19.4235, 0.4377,  
0.2261

 47.8252, 0.3380,  
0.2876

 18.4100, 0.4566,  
0.2301

 57.2825, 0.3274,  
0.3031

 18.2167, 0.4614,  
0.2315

 68.3070, 0.3184,  
0.3182

 80.9664, 0.3109,  
0.3326

 94.2947, 0.3048,  
0.3443

 94.8674, 0.2996,  
0.3348

 95.2354, 0.2964,  
0.3290

# Harmonies

## Analogous

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



28.0994, 0.2788, 0.2023



28.0994, 0.3813, 0.2440



28.0994, 0.4730, 0.3026

# Triad

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



28.0994, 0.3813, 0.2440



28.0994, 0.4099, 0.5000



28.0994, 0.1486, 0.2392

# Complementary

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



28.0994, 0.3813, 0.2440



60.2678, 0.2784, 0.4385

# 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.



28.0994, 0.1714, 0.3275



28.0994, 0.3813, 0.2440



28.0994, 0.3192, 0.5132

# Square

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



28.0994, 0.3813, 0.2440



28.0994, 0.4814, 0.4393



28.0994, 0.2315, 0.4421



28.0994, 0.1592, 0.1945



# Rectangle

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



28.0994, 0.3813, 0.2440



28.0994, 0.5050, 0.3465



28.0994, 0.2315, 0.4421



28.0994, 0.1522, 0.2637

# Sweetspot

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



28.1008, 0.3813, 0.2440



74.2940, 0.3270, 0.3037



20.5792, 0.2420, 0.1619



15.3373, 0.3290, 0.3006



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.



28.1008, 0.3813, 0.2440



30.2555, 0.4030, 0.2321



26.1730, 0.4708, 0.3152



14.5094, 0.3201, 0.3153



10.5422, 0.4587, 0.2300



0.7974, 0.4331, 0.2159



# Inverse Universe

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



28.1008, 0.3813, 0.2440



30.2555, 0.4030, 0.2321



62.9345, 0.2470, 0.3460



14.5094, 0.3201, 0.3153



10.5422, 0.4587, 0.2300



0.7974, 0.4331, 0.2159



# Previews

## White Background



This preview shows how the Yxy color 28.0994, 0.3813, 0.2440 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

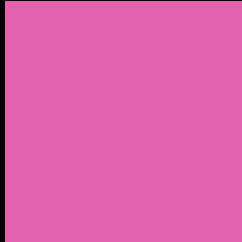
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 28.0994, 0.3813, 0.2440 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

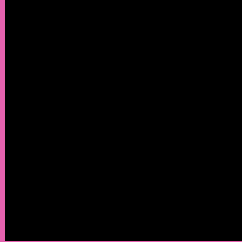
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 28.0994, 0.3813, 0.2440**

## Background



This preview shows how black text looks on a background with the Yxy color 28.0994, 0.3813, 0.2440.



This preview shows how white text looks on a background with the Yxy color 28.0994, 0.3813, 0.2440.

# 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

28.0994, 0.3813, 0.2440

### Protanopia

28.5099, 0.2441, 0.2356

### Deuteranopia

28.2293, 0.2960, 0.2892



## Tritanopia

28.1242, 0.4480, 0.3213

# Trichromacy



## Original Color

28.0994, 0.3813, 0.2440



## Protanomaly

26.5432, 0.2830, 0.2332



## Deuteranomaly

27.0345, 0.3246, 0.2664



## Tritanomaly

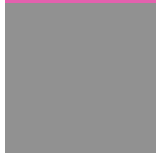
27.9457, 0.4242, 0.2913

# Monochromacy



## Original Color

28.0994, 0.3813, 0.2440



## Achromatopsia

28.3149, 0.3127, 0.3290



## Achromatomaly

26.9526, 0.3364, 0.2887

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.0994, 0.3813, 0.2440 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, 97, 174)` looks like.

```
.text, #text, p{  
  color:rgb(228, 97, 174)  
}
```

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, 97, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 97, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 28.0994, 0.3813, 0.2440 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, 97, 174) }
```

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

```
.border{ border-color:rgb(228, 97, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 97, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 97, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 97, 174);  
box-shadow:4px 4px 4px 4px rgb(228, 97,  
174) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.0994, 0.3813, 0.2440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 97, 174) }
```

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

```
.background{ background-color: rgb(228, 97,  
174) }
```

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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