

# Converting Colors

Yxy(37.4566, 0.2931, 0.1942)

Have a look what the booklet for  
Yxy(37.4566, 0.2931, 0.1942)  
contains.

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# Color

**Yxy(37.3078, 0.2928, 0.1938)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E27AFF
RGB	226, 122, 255
RGB Percent	89%, 48%, 100%
CMY	0.1138, 0.5215, 0.0000
CMYK	0.11, 0.52, 0.00, 0.00
HSL	287°, 100%, 74%
HSV	287°, 52%, 100%
XYZ	56.3660, 37.3078, 98.8329
YIQ	168.2580, 19.2910, 63.4110

# Conversions

## Conversions Part 2

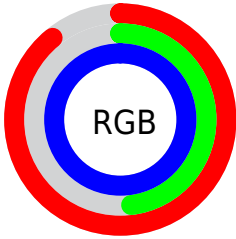
Format	Color
R <sub>Y</sub> B	226, 122, 255
Decimal	14842623
CIE Lab	67.51, 60.13, -49.67
CIE LCh	68, 77.993, 320.444
Yxy	37.3078, 0.2928, 0.1938
Android (android.graphics.Color)	4293032703 (0xFFE27AFF)
YUV	168.2580, 42.7638, 50.6397
Hunter-Lab	61.0801, 57.8332, -53.1803

# Details

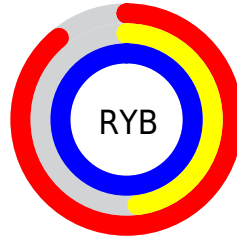
The Yxy color **37.3078, 0.2928, 0.1938** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **79.5062, 0.3201, 0.4890**, and the grayscale version is **39.0728, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3208, 0.3163, 0.2536**, and **16.4164, 0.2839, 0.1644** is the 20% darker color. If you saturate the color by 10%, you get **30.9610, 0.2873, 0.1713**, and if you desaturate by 10%, it is **45.3294, 0.2979, 0.2189**.

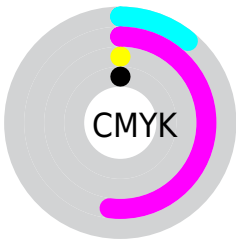
# Distribution



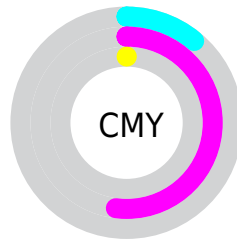
- Red (89%)
- Green (48%)
- Blue (100%)



- Red (89%)
- Yellow (48%)
- Blue (100%)



- Cyan (11%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)




- Cyan (11%)
- Magenta (52%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.3078, 0.2928, 0.1938 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 37.3078, 0.2928, 0.1938 by changing the saturation by 10% instead.





 37.3078, 0.2928,  
0.1938


 37.3078, 0.2928,  
0.1938

334.6412, 0.3054,  
0.2548


 25.4459, 0.2891,  
0.1806


 71.0459, 0.2978,  
0.2144

 16.4096, 0.2842,  
0.1648


 93.6909, 0.2996,  
0.2226

 9.8144, 0.2773,  
0.1456


 120.6991, 0.3010,  
0.2297

 5.2761, 0.2673,  
0.1221

152.4549, 0.3022,  
0.2360

 2.4102, 0.2523,  
0.0934

189.3425, 0.3032,  
0.2415

 0.8311, 0.2283,  
0.0593

231.7466, 0.3041,

 0.0000, 0.1926,

0.2464

0.0000

280.0513, 0.3048,  
0.2508

■ 0.0000, 0.0612,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 37.3078, 0.2928,  
0.1938

■ 37.3078, 0.2928,  
0.1938

■ 30.9610, 0.2873,  
0.1713

■ 45.3294, 0.2979,  
0.2189

■ 26.1527, 0.2815,  
0.1525


■ 55.1386, 0.3024,  
0.2453


■ 22.7326, 0.2755,  
0.1380

■ 66.8437, 0.3062,  
0.2722

■ 20.5175, 0.2696,  
0.1283

■ 80.5430, 0.3095,  
0.2985

 19.4083, 0.2651,  
0.1234

 96.3279, 0.3122,  
0.3238

99.9997, 0.3127,  
0.3290

# Harmonies

## Analogous

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



37.3078, 0.2000, 0.1691



37.3078, 0.2928, 0.1938



37.3078, 0.4135, 0.2434

# Triad

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



37.3078, 0.2928, 0.1938



37.3078, 0.4877, 0.4615



37.3078, 0.1453, 0.3019

# Complementary

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



37.3078, 0.2928, 0.1938



79.5062, 0.3201, 0.4890

# 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.



37.3078, 0.2024, 0.4381



37.3078, 0.2928, 0.1938



37.3078, 0.3991, 0.5317

# Square

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



37.3078, 0.2928, 0.1938



37.3078, 0.5355, 0.3823



37.3078, 0.2961, 0.5390



37.3078, 0.1292, 0.2123



# Rectangle

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



37.3078, 0.2928, 0.1938



37.3078, 0.4854, 0.2861



37.3078, 0.2961, 0.5390



37.3078, 0.1594, 0.3442

# Sweetspot

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



37.3094, 0.2928, 0.1938



75.0245, 0.3083, 0.2885



34.1585, 0.2194, 0.1999



15.4538, 0.3077, 0.2830



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.



37.3094, 0.2928, 0.1938



30.4936, 0.2868, 0.1696



40.3271, 0.3522, 0.2326



18.0886, 0.3103, 0.3053



10.2101, 0.2661, 0.1239



1.0413, 0.2726, 0.1275



# Inverse Universe

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



37.4202, 0.4307, 0.2996



30.9238, 0.4715, 0.2960



78.1069, 0.2892, 0.4526



18.0520, 0.3260, 0.3238



11.2741, 0.6030, 0.3095

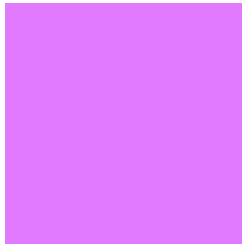


1.1131, 0.5725, 0.2927



# Previews

## White Background



This preview shows how the Yxy color 37.3078, 0.2928, 0.1938 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

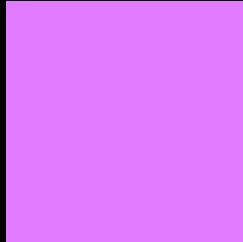
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.3078, 0.2928, 0.1938 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

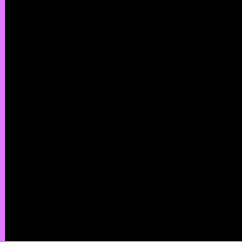
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 37.3078, 0.2928, 0.1938**

## Background



This preview shows how black text looks on a background with the Yxy color 37.3078, 0.2928, 0.1938.



This preview shows how white text looks on a background with the Yxy color 37.3078, 0.2928, 0.1938.

# 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

37.3078, 0.2928, 0.1938

### Protanopia

37.7278, 0.2254, 0.2125

### Deuteranopia

37.7783, 0.2286, 0.2224



## Tritanopia

36.9891, 0.3711, 0.3155

# Trichromacy



## Original Color

37.3078, 0.2928, 0.1938



## Protanomaly

35.9799, 0.2446, 0.2010



## Deuteranomaly

36.1835, 0.2471, 0.2074



## Tritanomaly

36.4933, 0.3402, 0.2631

# Monochromacy



## Original Color

37.3078, 0.2928, 0.1938



## Achromatopsia

39.1572, 0.3127, 0.3290



## Achromatomaly

37.1222, 0.3052, 0.2667

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.3078, 0.2928, 0.1938 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(226, 122, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 122, 255)  
}
```

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(226, 122, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 122, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 37.3078, 0.2928, 0.1938 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(226, 122, 255) }
```

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

```
.border{ border-color:rgb(226, 122, 255) }
```

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

Here you see how a box with a 4 pixel rgb(226, 122, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 122, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 122, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 122,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.3078, 0.2928, 0.1938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 122, 255) }
```

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

```
.background{ background-color: rgb(226,  
122, 255) }
```

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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