

# Converting Colors

$Y_{xy}(37.4512, 0.3246, 0.2320)$

Have a look what the booklet for  
Yxy(37.4512, 0.3246, 0.2320)  
contains.

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# Color

**Yxy(37.4106, 0.3251, 0.2319)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E382DB
RGB	227, 130, 219
RGB Percent	89%, 51%, 86%
CMY	0.1098, 0.4902, 0.1412
CMYK	0.00, 0.43, 0.04, 0.11
HSL	305°, 63%, 70%
HSV	305°, 43%, 89%
XYZ	52.4458, 37.4106, 71.4657
YIQ	169.1490, 29.2430, 48.2430

# Conversions

## Conversions Part 2

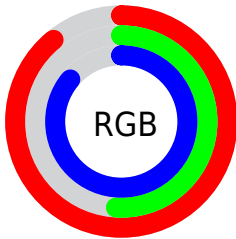
Format	Color
R <sub>Y</sub> B	227, 130, 219
Decimal	14910171
CIE <sub>Lab</sub>	67.58, 49.83, -29.70
CIE <sub>LCh</sub>	68, 58.008, 329.203
Yxy	37.4106, 0.3251, 0.2319
Android (android.graphics.Color)	4293100251 (0xFFE382DB)
YUV	169.1490, 24.5765, 50.7353
Hunter-Lab	61.1642, 46.0191, -26.4609

# Details

The Yxy color **37.4106, 0.3251, 0.2319** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **61.5206, 0.3022, 0.4506**, and the grayscale version is **39.6203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1779, 0.3159, 0.2604**, and **16.5341, 0.3265, 0.2082** is the 20% darker color. If you saturate the color by 10%, you get **31.9264, 0.3285, 0.2118**, and if you desaturate by 10%, it is **44.2313, 0.3218, 0.2539**.

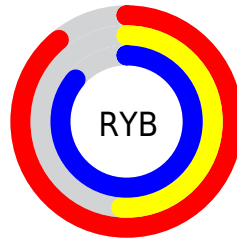
# Distribution



Red (89%)

Green (51%)

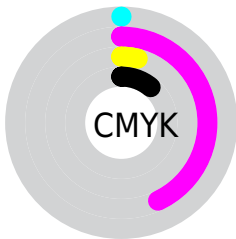
Blue (86%)



Red (89%)

Yellow (51%)

Blue (86%)

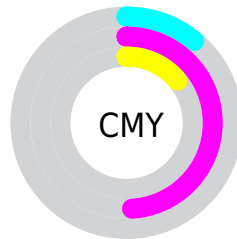


Cyan (0%)

Magenta (43%)

Yellow (4%)

Black (11%)



Cyan (11%)

Magenta (49%)


Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.4106, 0.3251, 0.2319 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 37.4106, 0.3251, 0.2319 by changing the saturation by 10% instead.





 37.4106, 0.3251,  
0.2319


 37.4106, 0.3251,  
0.2319


335.0848, 0.3204,  
0.2778

 25.5256, 0.3258,  
0.2213


 71.2038, 0.3237,  
0.2480

 16.4690, 0.3266,  
0.2082


 93.8808, 0.3231,  
0.2542

 9.8567, 0.3271,  
0.1915


 120.9239, 0.3225,  
0.2595

 5.3040, 0.3273,  
0.1700

152.7175, 0.3220,  
0.2641

 2.4267, 0.3261,  
0.1413

189.6460, 0.3216,  
0.2682

 0.8396, 0.3214,  
0.1021

232.0938, 0.3211,


 0.0000, 0.3218,

0.2718


0.0000


280.4452, 0.3208,  
0.2750

 0.0000, 0.0000,  
0.0000


 37.4106, 0.3251,  
0.2319

 37.4106, 0.3251,  
0.2319


 31.9264, 0.3285,  
0.2118


 44.2313, 0.3218,  
0.2539


 27.6850, 0.3319,  
0.1947


 52.4638, 0.3187,  
0.2770


 24.5887, 0.3352,  
0.1814

 62.1839, 0.3159,  
0.3002

 22.5233, 0.3384,  
0.1723

 73.4607, 0.3134,  
0.3230

 21.3506, 0.3412,  
0.1676

 86.3587, 0.3111,  
0.3447

 20.8973, 0.3431,  
0.1664

 93.5776, 0.3095,  
0.3543

 93.6837, 0.3085,  
0.3523

 93.7909, 0.3074,  
0.3504

 93.8993, 0.3064,  
0.3484

# Harmonies

## Analogous

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



37.4106, 0.2444, 0.2049



37.4106, 0.3251, 0.2319



37.4106, 0.4138, 0.2782

# Triad

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



37.4106, 0.3251, 0.2319



37.4106, 0.4371, 0.4568



37.4106, 0.1740, 0.2884

# Complementary

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



37.4106, 0.3251, 0.2319



61.5206, 0.3022, 0.4506

# 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.



37.4106, 0.2133, 0.3799



37.4106, 0.3251, 0.2319



37.4106, 0.3644, 0.4900

# Square

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



37.4106, 0.3251, 0.2319



37.4106, 0.4802, 0.3984



37.4106, 0.2825, 0.4645



37.4106, 0.1673, 0.2279



# Rectangle

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



37.4106, 0.3251, 0.2319



37.4106, 0.4593, 0.3160



37.4106, 0.2825, 0.4645



37.4106, 0.1833, 0.3164

# Sweetspot

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



37.4123, 0.3251, 0.2319



80.4678, 0.3160, 0.2994



26.7876, 0.2376, 0.1984



16.5883, 0.3166, 0.2943



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.



37.4123, 0.3251, 0.2319



42.4618, 0.3280, 0.2145



35.2785, 0.3746, 0.2805



14.5936, 0.3150, 0.3077



12.1957, 0.3428, 0.1662



0.9073, 0.3392, 0.1642



# Inverse Universe

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



37.4123, 0.3251, 0.2319



42.4618, 0.3280, 0.2145



63.1865, 0.2765, 0.3846



14.5936, 0.3150, 0.3077



12.1957, 0.3428, 0.1662



0.9073, 0.3392, 0.1642



# Previews

## White Background



This preview shows how the Yxy color 37.4106, 0.3251, 0.2319 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

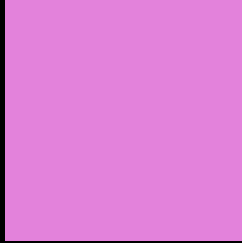
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.4106, 0.3251, 0.2319 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

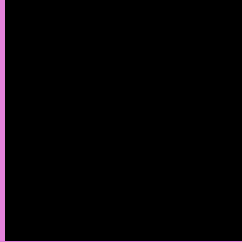
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 37.4106, 0.3251, 0.2319**

## **Background**



This preview shows how black text looks on a background with the Yxy color 37.4106, 0.3251, 0.2319.

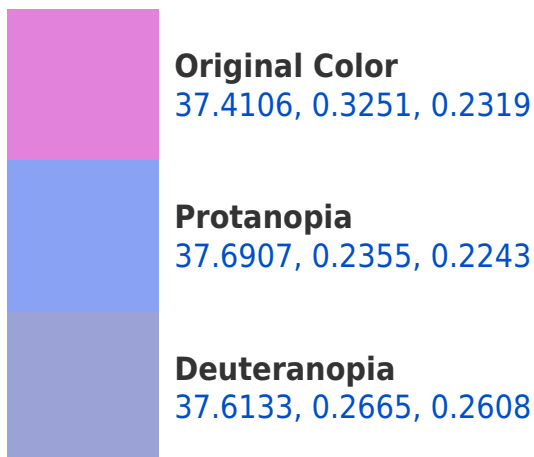


This preview shows how white text looks on a background with the Yxy color 37.4106, 0.3251, 0.2319.

# 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

37.3731, 0.3812, 0.3159

# Trichromacy



## Original Color

37.4106, 0.3251, 0.2319



## Protanomaly

36.3569, 0.2619, 0.2241



## Deuteranomaly

36.5427, 0.2855, 0.2471



## Tritanomaly

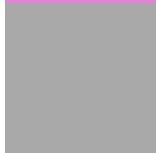
37.2092, 0.3607, 0.2832

# Monochromacy



## Original Color

37.4106, 0.3251, 0.2319



## Achromatopsia

39.6755, 0.3127, 0.3290



## Achromatomaly

37.9777, 0.3175, 0.2876

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.4106, 0.3251, 0.2319 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(227, 130, 219)` looks like.

```
.text, #text, p{  
    color:rgb(227, 130, 219)  
}
```

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(227, 130, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 130, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 37.4106, 0.3251, 0.2319 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(227, 130, 219) }
```

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

```
.border{ border-color:rgb(227, 130, 219) }
```

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

Here you see how a box with a 4 pixel rgb(227, 130, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 130, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 130, 219);  
box-shadow:4px 4px 4px 4px rgb(227, 130,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.4106, 0.3251, 0.2319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 130, 219) }
```

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

```
.background{ background-color: rgb(227,  
130, 219) }
```

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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