

# Converting Colors

Yxy(37.5123, 0.3262, 0.1946)

Have a look what the booklet for  
Yxy(37.5123, 0.3262, 0.1946)  
contains.

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# Color

**Yxy(37.5401, 0.3257, 0.1943)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF66F8
RGB	255, 102, 248
RGB Percent	100%, 40%, 97%
CMY	0.0001, 0.5999, 0.0274
CMYK	0.00, 0.60, 0.03, 0.00
HSL	303°, 100%, 70%
HSV	303°, 60%, 100%
XYZ	62.9275, 37.5401, 92.7393
YIQ	164.3910, 44.3220, 77.8420

# Conversions

## Conversions Part 2

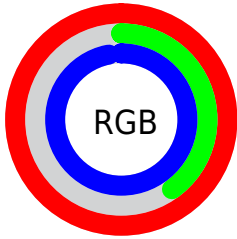
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 102, 248
Decimal	16738040
CIE <sub>Lab</sub>	67.68, 75.09, -45.31
CIE <sub>LCh</sub>	68, 87.701, 328.896
Y <sub>xy</sub>	37.5401, 0.3257, 0.1943
Android (android.graphics.Color)	4294928120 (0xFFFF66F8)
YUV	164.3910, 41.2192, 79.4641
Hunter-Lab	61.2700, 76.1064, -46.8534

# Details

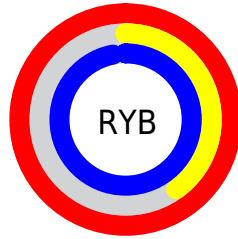
The Yxy color **37.5401, 0.3257, 0.1943** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **75.4340, 0.3011, 0.5162**, and the grayscale version is **37.1098, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9697, 0.3170, 0.2375**, and **16.5658, 0.3256, 0.1659** is the 20% darker color. If you saturate the color by 10%, you get **33.2037, 0.3278, 0.1796**, and if you desaturate by 10%, it is **43.4211, 0.3234, 0.2127**.

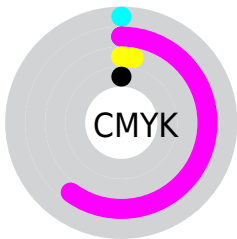
# Distribution



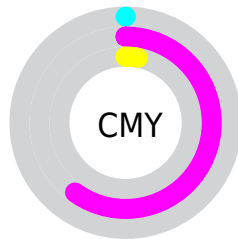
- Red (100%)
- Green (40%)
- Blue (97%)



- Red (100%)
- Yellow (40%)
- Blue (97%)



- Cyan (0%)
- Magenta (60%)
- Yellow (3%)
- Black (0%)




- Cyan (0%)
- Magenta (60%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.5401, 0.3257, 0.1943 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 37.5401, 0.3257, 0.1943 by changing the saturation by 10% instead.





 37.5401, 0.3257,  
0.1943


 37.5401, 0.3257,  
0.1943


335.6430, 0.3224,  
0.2546

 25.6259, 0.3258,  
0.1813


 71.4027, 0.3251,  
0.2146

 16.5440, 0.3255,  
0.1658

 94.1199, 0.3247,  
0.2227

 9.9099, 0.3245,  
0.1469


 121.2069, 0.3243,  
0.2298

 5.3393, 0.3222,  
0.1238

 153.0481, 0.3239,  
0.2360

 2.4477, 0.3173,  
0.0956

190.0280, 0.3235,  
0.2414

 0.8503, 0.3069,  
0.0617

232.5308, 0.3231,

 0.0000, 0.2916,

0.2463

0.0000

280.9410, 0.3227,  
0.2507

■ 0.0000, 0.2225,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 37.5401, 0.3257,  
0.1943

■ 37.5401, 0.3257,  
0.1943

■ 33.2037, 0.3278,  
0.1796

■ 43.4211, 0.3234,  
0.2127

■ 30.2602, 0.3298,  
0.1691

■ 50.9693, 0.3211,  
0.2341


■ 28.5368, 0.3314,  
0.1631

■ 60.3012, 0.3189,  
0.2572

■ 27.7486, 0.3329,  
0.1608

■ 71.5211, 0.3167,  
0.2813

 27.7475, 0.3329,  
0.1608

 84.7256, 0.3146,  
0.3055

99.9934, 0.3127,  
0.3290

99.9950, 0.3127,  
0.3290

# Harmonies

## Analogous

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



37.5401, 0.2125, 0.1602



37.5401, 0.3257, 0.1943



37.5401, 0.4618, 0.2529

# Triad

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



37.5401, 0.3257, 0.1943



37.5401, 0.4749, 0.4927



37.5401, 0.1213, 0.2617

# Complementary

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



37.5401, 0.3257, 0.1943



75.4340, 0.3011, 0.5162

# 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.



37.5401, 0.1673, 0.4060



37.5401, 0.3257, 0.1943



37.5401, 0.3702, 0.5667

# Square

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



37.5401, 0.3257, 0.1943



37.5401, 0.5476, 0.4039



37.5401, 0.2588, 0.5485



37.5401, 0.1163, 0.1831



# Rectangle

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



37.5401, 0.3257, 0.1943



37.5401, 0.5307, 0.3000



37.5401, 0.2588, 0.5485



37.5401, 0.1314, 0.3030

# Sweetspot

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



37.5418, 0.3257, 0.1943



73.9960, 0.3162, 0.2861



19.8615, 0.1983, 0.1364



15.0718, 0.3169, 0.2791



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.



37.5418, 0.3257, 0.1943



32.5103, 0.3282, 0.1771



33.7971, 0.4095, 0.2584



18.2852, 0.3145, 0.3066



14.5084, 0.3327, 0.1606



1.4169, 0.3312, 0.1598



# Inverse Universe

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



37.5418, 0.3257, 0.1943



32.5103, 0.3282, 0.1771



77.7738, 0.2692, 0.4201



18.2852, 0.3145, 0.3066



14.5084, 0.3327, 0.1606



1.4169, 0.3312, 0.1598



# Previews

## White Background



This preview shows how the Yxy color 37.5401, 0.3257, 0.1943 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

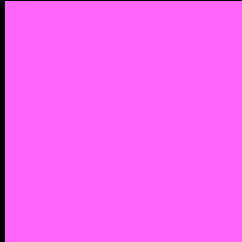
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.5401, 0.3257, 0.1943 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 37.5401, 0.3257, 0.1943**

## Background



This preview shows how black text looks on a background with the Yxy color 37.5401, 0.3257, 0.1943.

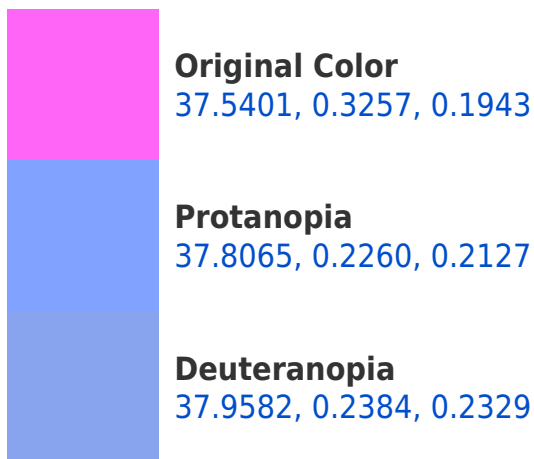


This preview shows how white text looks on a background with the Yxy color 37.5401, 0.3257, 0.1943.

# 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

37.4803, 0.4264, 0.3195

# Trichromacy



## Original Color

37.5401, 0.3257, 0.1943



## Protanomaly

34.8984, 0.2536, 0.1983



## Deuteranomaly

35.0443, 0.2633, 0.2091



## Tritanomaly

36.7442, 0.3882, 0.2670

# Monochromacy



## Original Color

37.5401, 0.3257, 0.1943



## Achromatopsia

37.1238, 0.3127, 0.3290



## Achromatomaly

34.8602, 0.3179, 0.2614

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.5401, 0.3257, 0.1943 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(255, 102, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 248)  
}
```

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(255, 102, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 37.5401, 0.3257, 0.1943 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(255, 102, 248) }
```

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

```
.border{ border-color:rgb(255, 102, 248) }
```

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

Here you see how a box with a 4 pixel rgb(255, 102, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 248);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.5401, 0.3257, 0.1943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 248) }
```

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

```
.background{ background-color: rgb(255,  
102, 248) }
```

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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