

# Converting Colors

$Yxy(37.5076, 0.3191, 0.2048)$

Have a look what the booklet for  
Yxy(37.5076, 0.3191, 0.2048)  
contains.

<b>Yxy(37.5424, 0.3185, 0.2048)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(37.5424, 0.3185, 0.2048)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F174F1
RGB	241, 116, 241
RGB Percent	95%, 45%, 95%
CMY	0.0551, 0.5449, 0.0549
CMYK	0.00, 0.52, 0.00, 0.05
HSL	300°, 82%, 70%
HSV	300°, 52%, 95%
XYZ	58.3850, 37.5424, 87.3851
YIQ	167.6250, 34.3750, 65.3750

# Conversions

## Conversions Part 2

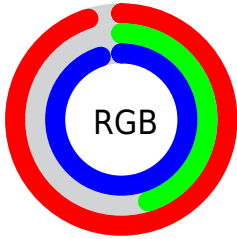
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	241, 116, 241
Decimal	15824113
CIE Lab	67.68, 64.34, -41.58
CIE LCh	68, 76.604, 327.125
Yxy	37.5424, 0.3185, 0.2048
Android (android.graphics.Color)	4294014193 (0xFFFF174F1)
YUV	167.6250, 36.1739, 64.3499
Hunter-Lab	61.2719, 62.8642, -41.6683

# Details

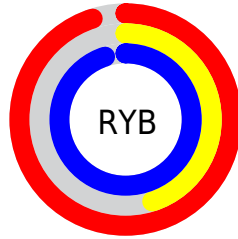
The Yxy color **37.5424, 0.3185, 0.2048** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **67.8898, 0.3049, 0.4950**, and the grayscale version is **38.7771, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3671, 0.3165, 0.2488**, and **16.5337, 0.3172, 0.1777** is the 20% darker color. If you saturate the color by 10%, you get **32.6862, 0.3193, 0.1865**, and if you desaturate by 10%, it is **43.8429, 0.3175, 0.2262**.

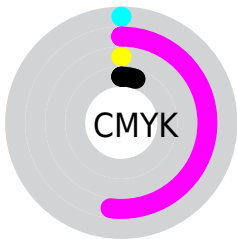
# Distribution



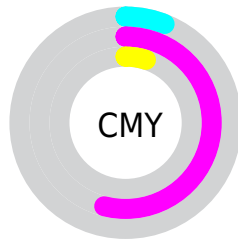
- Red (95%)
- Green (45%)
- Blue (95%)



- Red (95%)
- Yellow (45%)
- Blue (95%)



- Cyan (0%)
- Magenta (52%)
- Yellow (0%)
- Black (5%)




- Cyan (6%)
- Magenta (54%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.5424, 0.3185, 0.2048 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 37.5424, 0.3185, 0.2048 by changing the saturation by 10% instead.





 37.5424, 0.3185,  
0.2048


 37.5424, 0.3185,  
0.2048


335.6529, 0.3182,  
0.2614


 25.6277, 0.3179,  
0.1923


 71.4062, 0.3189,  
0.2241

 16.5453, 0.3169,  
0.1773


 94.1241, 0.3189,  
0.2317

 9.9109, 0.3150,  
0.1588


 121.2119, 0.3188,  
0.2383

 5.3399, 0.3116,  
0.1357

153.0540, 0.3187,  
0.2441

 2.4480, 0.3052,  
0.1068

190.0348, 0.3186,  
0.2492

 0.8504, 0.2927,  
0.0710

232.5385, 0.3185,

 0.0000, 0.2745,

0.2537

0.0000

280.9498, 0.3183,  
0.2578

■ 0.0000, 0.1548,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 37.5424, 0.3185,  
0.2048

■ 37.5424, 0.3185,  
0.2048

■ 32.6862, 0.3193,  
0.1865

■ 43.8429, 0.3175,  
0.2262

■ 29.1555, 0.3200,  
0.1722


■ 51.6844, 0.3164,  
0.2498


■ 26.8208, 0.3205,  
0.1621

■ 61.1611, 0.3153,  
0.2747

■ 25.5247, 0.3207,  
0.1563


■ 72.3581, 0.3141,  
0.2998

 25.0356, 0.3208,  
0.1541

 85.3548, 0.3129,  
0.3245

 96.5721, 0.3121,  
0.3428

 96.5736, 0.3121,  
0.3428

 96.5751, 0.3121,  
0.3428

 96.5767, 0.3121,  
0.3428

# Harmonies

## Analogous

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



37.5424, 0.2188, 0.1745



37.5424, 0.3185, 0.2048



37.5424, 0.4373, 0.2583

# Triad

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



37.5424, 0.3185, 0.2048



37.5424, 0.4686, 0.4776



37.5424, 0.1411, 0.2783

# Complementary

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



37.5424, 0.3185, 0.2048



67.8898, 0.3049, 0.4950

# 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.



37.5424, 0.1883, 0.4050



37.5424, 0.3185, 0.2048



37.5424, 0.3765, 0.5376

# Square

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



37.5424, 0.3185, 0.2048



37.5424, 0.5266, 0.3994



37.5424, 0.2746, 0.5209



37.5424, 0.1330, 0.2020



# Rectangle

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



37.5424, 0.3185, 0.2048



37.5424, 0.5001, 0.3023



37.5424, 0.2746, 0.5209



37.5424, 0.1521, 0.3160

# Sweetspot

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



37.5441, 0.3185, 0.2048



76.6716, 0.3146, 0.2893



23.0537, 0.2132, 0.1662



15.8505, 0.3148, 0.2841



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.



37.5441, 0.3185, 0.2048



37.0001, 0.3194, 0.1860



34.5213, 0.3826, 0.2599



16.0311, 0.3138, 0.3057



13.5768, 0.3208, 0.1541



1.1296, 0.3208, 0.1541



# Inverse Universe

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



32.4644, 0.4635, 0.3294



30.6532, 0.5124, 0.3295



69.7766, 0.2760, 0.4138



15.7590, 0.3293, 0.3290



10.1412, 0.6400, 0.3299

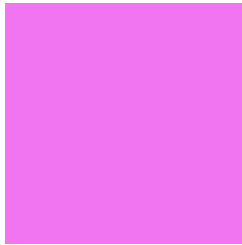


0.8437, 0.6399, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 37.5424, 0.3185, 0.2048 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

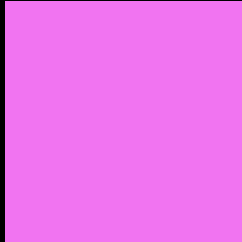
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.5424, 0.3185, 0.2048 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

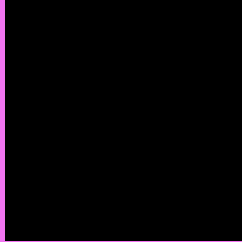
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 37.5424, 0.3185, 0.2048**

## Background



This preview shows how black text looks on a background with the Yxy color 37.5424, 0.3185, 0.2048.

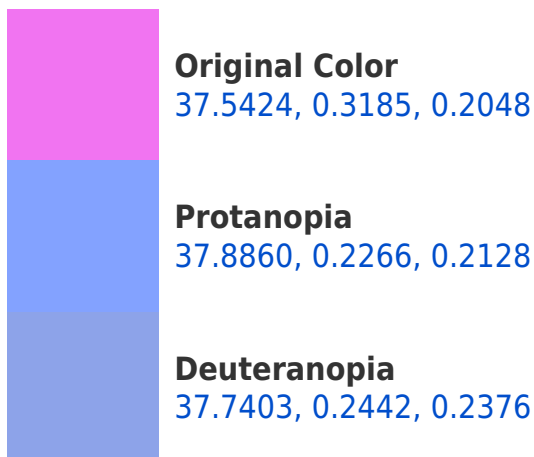


This preview shows how white text looks on a background with the Yxy color 37.5424, 0.3185, 0.2048.

# 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

37.4582, 0.4010, 0.3177

# Trichromacy



## Original Color

37.5424, 0.3185, 0.2048



## Protanomaly

35.8109, 0.2524, 0.2046



## Deuteranomaly

35.9610, 0.2663, 0.2199



## Tritanomaly

37.1024, 0.3703, 0.2721

# Monochromacy



## Original Color

37.5424, 0.3185, 0.2048



## Achromatopsia

39.1572, 0.3127, 0.3290



## Achromatomaly

37.0371, 0.3154, 0.2710

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.5424, 0.3185, 0.2048 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, 116, 241)` looks like.

```
.text, #text, p{  
    color:rgb(241, 116, 241)  
}
```

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, 116, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 116, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 37.5424, 0.3185, 0.2048 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, 116, 241) }
```

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

```
.border{ border-color:rgb(241, 116, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 116, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 116, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 116, 241);  
box-shadow:4px 4px 4px 4px rgb(241, 116,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.5424, 0.3185, 0.2048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 116, 241) }
```

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

```
.background{ background-color: rgb(241,  
116, 241) }
```

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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