

# Converting Colors

$Y_{xy}(31.7740, 0.3270, 0.1905)$

Have a look what the booklet for  
Yxy(31.7740, 0.3270, 0.1905)  
contains.

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**Color**

**Yxy(31.7287, 0.3274, 0.1904)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F159E9
RGB	241, 89, 233
RGB Percent	95%, 35%, 91%
CMY	0.0549, 0.6510, 0.0862
CMYK	0.00, 0.63, 0.03, 0.05
HSL	303°, 84%, 65%
HSV	303°, 63%, 95%
XYZ	54.5587, 31.7287, 80.3549
YIQ	150.8640, 44.3680, 77.0080

# Conversions

## Conversions Part 2

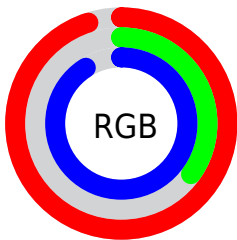
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	241, 89, 233
Decimal	15817193
CIE Lab	63.12, 74.51, -44.33
CIE LCh	63, 86.701, 329.252
Yxy	31.7287, 0.3274, 0.1904
Android (android.graphics.Color)	4294007273 (0xFFFF159E9)
YUV	150.8640, 40.4930, 79.0493
Hunter-Lab	56.3282, 74.3181, -45.1503

# Details

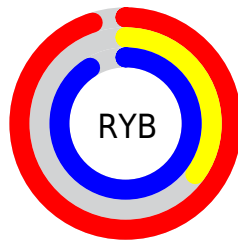
The Yxy color **31.7287, 0.3274, 0.1904** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **65.8987, 0.3003, 0.5244**, and the grayscale version is **30.6965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6598, 0.3176, 0.2257**, and **13.1935, 0.3264, 0.1590** is the 20% darker color. If you saturate the color by 10%, you get **28.2825, 0.3297, 0.1770**, and if you desaturate by 10%, it is **36.4906, 0.3250, 0.2077**.

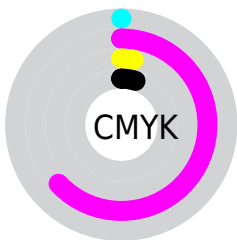
# Distribution



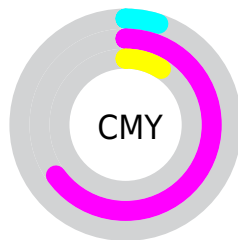
- Red (95%)
- Green (35%)
- Blue (91%)



- Red (95%)
- Yellow (35%)
- Blue (91%)



- Cyan (0%)
- Magenta (63%)
- Yellow (3%)
- Black (5%)



- Cyan (5%)
- Magenta (65%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 31.7287, 0.3274, 0.1904 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 31.7287, 0.3274, 0.1904 by changing the saturation by 10% instead.





 31.7287, 0.3274,  
0.1904


 31.7287, 0.3274,  
0.1904

309.8815, 0.3232,  
0.2540

 21.1544, 0.3276,  
0.1764


 62.3855, 0.3266,  
0.2121

 13.2369, 0.3273,  
0.1595

 83.2368, 0.3261,  
0.2207

 7.5919, 0.3263,  
0.1389


 108.2825, 0.3255,  
0.2281

 3.8349, 0.3236,  
0.1136

 137.9071, 0.3250,  
0.2346

 1.5817, 0.3175,  
0.0825

172.4949, 0.3246,  
0.2403

 0.3452, 0.3071,  
0.0361

212.4303, 0.3241,

 0.0000, 0.2756,

0.2454

0.0000

258.0977, 0.3237,  
0.2499

■ 0.0000, 0.0384,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 31.7287, 0.3274,  
0.1904

■ 31.7287, 0.3274,  
0.1904

■ 28.2825, 0.3297,  
0.1770

■ 36.4906, 0.3250,  
0.2077

■ 26.0140, 0.3318,  
0.1679


■ 42.6793, 0.3225,  
0.2281

■ 24.7626, 0.3336,  
0.1631


■ 50.3995, 0.3200,  
0.2507


■ 24.3221, 0.3348,  
0.1618

■ 59.7445, 0.3176,  
0.2744

 70.8005, 0.3154,  
0.2984

 83.6473, 0.3133,  
0.3219

 96.6248, 0.3116,  
0.3419

 96.7011, 0.3108,  
0.3407

 96.7779, 0.3101,  
0.3394

# Harmonies

## Analogous

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



31.7287, 0.2097, 0.1553



31.7287, 0.3274, 0.1904



31.7287, 0.4698, 0.2505

# Triad

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



31.7287, 0.3274, 0.1904



31.7287, 0.4770, 0.4969



31.7287, 0.1149, 0.2565

# Complementary

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



31.7287, 0.3274, 0.1904



65.8987, 0.3003, 0.5244

# 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.



31.7287, 0.1605, 0.4071



31.7287, 0.3274, 0.1904



31.7287, 0.3680, 0.5765

# Square

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



31.7287, 0.3274, 0.1904



31.7287, 0.5545, 0.4044



31.7287, 0.2536, 0.5591



31.7287, 0.1108, 0.1770



# Rectangle

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



31.7287, 0.3274, 0.1904



31.7287, 0.5410, 0.2985



31.7287, 0.2536, 0.5591



31.7287, 0.1248, 0.2990

# Sweetspot

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



31.7302, 0.3274, 0.1904



72.7251, 0.3167, 0.2840



16.0149, 0.1941, 0.1277



14.8240, 0.3173, 0.2771



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.



31.7302, 0.3274, 0.1904



31.2007, 0.3304, 0.1736



28.2938, 0.4203, 0.2587



16.0162, 0.3146, 0.3069



13.1954, 0.3345, 0.1616



1.1021, 0.3326, 0.1606



# Inverse Universe

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



31.7302, 0.3274, 0.1904



31.2007, 0.3304, 0.1736



68.0377, 0.2671, 0.4218



16.0162, 0.3146, 0.3069



13.1954, 0.3345, 0.1616

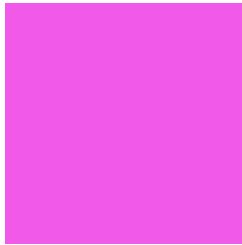


1.1021, 0.3326, 0.1606



# Previews

## White Background



This preview shows how the Yxy color 31.7287, 0.3274, 0.1904 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

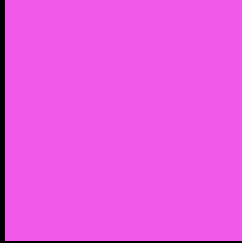
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 31.7287, 0.3274, 0.1904 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

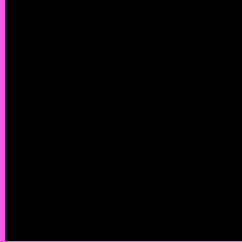
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 31.7287, 0.3274, 0.1904**

## **Background**



This preview shows how black text looks on a background with the Yxy color 31.7287, 0.3274, 0.1904.

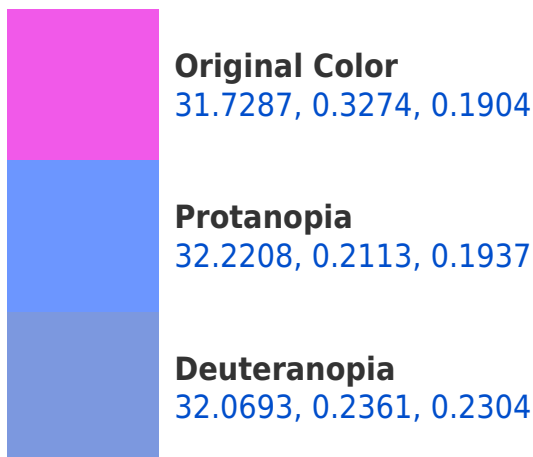


This preview shows how white text looks on a background with the Yxy color 31.7287, 0.3274, 0.1904.

# 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

31.4102, 0.4348, 0.3191

# Trichromacy



## Original Color

31.7287, 0.3274, 0.1904



## Protanomaly

29.2217, 0.2403, 0.1837



## Deuteranomaly

29.4621, 0.2624, 0.2053



## Tritanomaly

30.8019, 0.3944, 0.2649

# Monochromacy



## Original Color

31.7287, 0.3274, 0.1904



## Achromatopsia

30.9469, 0.3127, 0.3290



## Achromatomaly

28.9649, 0.3193, 0.2581

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 31.7287, 0.3274, 0.1904 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, 89, 233)` looks like.

```
.text, #text, p{  
    color:rgb(241, 89, 233)  
}
```

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, 89, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 89, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 31.7287, 0.3274, 0.1904 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, 89, 233) }
```

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

```
.border{ border-color:rgb(241, 89, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 89, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 89, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 89, 233);  
box-shadow:4px 4px 4px 4px rgb(241, 89,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 31.7287, 0.3274, 0.1904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 89, 233) }
```

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

```
.background{ background-color: rgb(241, 89,  
233) }
```

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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