

# Converting Colors

Yxy(26.9988, 0.3117, 0.1500)

Have a look what the booklet for  
Yxy(26.9988, 0.3117, 0.1500)  
contains.

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**Color**

**Yxy(27.0299, 0.3119, 0.1501)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F60AFF
RGB	246, 10, 255
RGB Percent	96%, 4%, 100%
CMY	0.0353, 0.9608, 0.0000
CMYK	0.04, 0.96, 0.00, 0.00
HSL	298°, 100%, 52%
HSV	298°, 96%, 100%
XYZ	56.1667, 27.0299, 96.8827
YIQ	108.4940, 62.0110, 126.2270

# Conversions

## Conversions Part 2

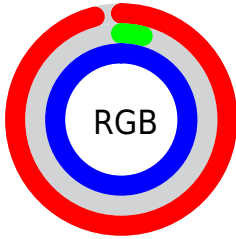
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	246, 10, 255
Decimal	16124671
CIE Lab	59.00, 96.30, -63.05
CIE LCh	59, 115.103, 326.785
Yxy	27.0299, 0.3119, 0.1501
Android (android.graphics.Color)	4294314751 (0xFFFF60AFF)
YUV	108.4940, 72.2275, 120.5928
Hunter-Lab	51.9903, 101.8561, -74.0923

# Details

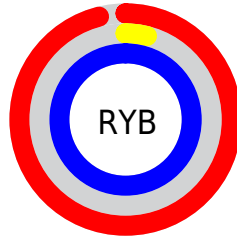
The Yxy color **27.0299, 0.3119, 0.1501** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **71.6803, 0.3007, 0.5974**, and the grayscale version is **14.9214, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7881, 0.3191, 0.1921**, and **14.2216, 0.3044, 0.1450** is the 20% darker color. If you saturate the color by 10%, you get **26.7464, 0.3116, 0.1490**, and if you desaturate by 10%, it is **28.2140, 0.3127, 0.1548**.

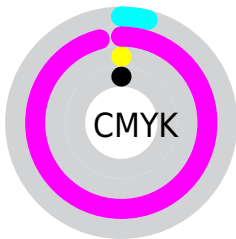
# Distribution



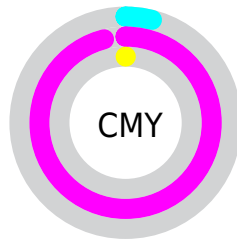
- Red (96%)
- Green (4%)
- Blue (100%)



- Red (96%)
- Yellow (4%)
- Blue (100%)



- Cyan (4%)
- Magenta (96%)
- Yellow (0%)
- Black (0%)




- Cyan (4%)
- Magenta (96%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 27.0299, 0.3119, 0.1501 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 27.0299, 0.3119, 0.1501 by changing the saturation by 10% instead.





 27.0299, 0.3119,  
0.1501


 27.0299, 0.3119,  
0.1501


287.8019, 0.3179,  
0.2285


 17.5957, 0.3091,  
0.1340


 54.9318, 0.3151,  
0.1760


 10.6601, 0.3049,  
0.1154


 74.1684, 0.3161,  
0.1864

 5.8388, 0.2985,  
0.0937


 97.4411, 0.3167,  
0.1956

 2.7473, 0.2885,  
0.0690

 125.1344, 0.3172,  
0.2038

 1.0013, 0.2721,  
0.0422

 157.6328, 0.3175,  
0.2110

 0.0000, 0.2489,  
0.0000

195.3206, 0.3177,

 0.0000, 0.1990,

0.2174

0.0000

238.5821, 0.3178,  
0.2233

■ 0.0000, 0.0605,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 27.0299, 0.3119,  
0.1501

■ 27.0299, 0.3119,  
0.1501

■ 26.7464, 0.3116,  
0.1490

■ 28.2140, 0.3127,  
0.1548

■ 30.4902, 0.3134,  
0.1637

■ 34.0597, 0.3139,  
0.1770

■ 39.0844, 0.3142,  
0.1944

45.7028, 0.3143,  
0.2152

54.0372, 0.3142,  
0.2386

64.1979, 0.3139,  
0.2635

76.2860, 0.3135,  
0.2889

90.3954, 0.3130,  
0.3141

# Harmonies

## Analogous

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



27.0299, 0.1692, 0.1139



27.0299, 0.3119, 0.1501



27.0299, 0.5116, 0.2161

# Triad

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



27.0299, 0.3119, 0.1501



27.0299, 0.5021, 0.4979



27.0299, 0.0702, 0.2327

# Complementary

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



27.0299, 0.3119, 0.1501



71.6803, 0.3007, 0.5974

# 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.



27.0299, 0.1163, 0.4570



27.0299, 0.3119, 0.1501



27.0299, 0.3600, 0.6400

# Square

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



27.0299, 0.3119, 0.1501



27.0299, 0.6153, 0.3793



27.0299, 0.2230, 0.6777



27.0299, 0.0681, 0.1374



# Rectangle

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



27.0299, 0.3119, 0.1501



27.0299, 0.6130, 0.2675



27.0299, 0.2230, 0.6777



27.0299, 0.0792, 0.2911

# Sweetspot

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



27.0297, 0.3119, 0.1501



61.0365, 0.3140, 0.2561



7.8677, 0.1520, 0.0648



12.1378, 0.3141, 0.2455



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.



27.0297, 0.3119, 0.1501



26.7464, 0.3116, 0.1490



23.5135, 0.4704, 0.2382



18.2644, 0.3132, 0.3055



13.9907, 0.3117, 0.1491



1.3724, 0.3128, 0.1497



# Inverse Universe

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



21.5240, 0.6323, 0.3282



21.2805, 0.6375, 0.3285



72.9466, 0.2765, 0.5134



17.9979, 0.3289, 0.3282



11.1242, 0.6364, 0.3279



1.0868, 0.6276, 0.3231



# Previews

## White Background



This preview shows how the Yxy color 27.0299, 0.3119, 0.1501 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

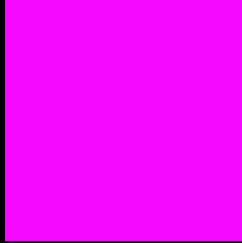
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 27.0299, 0.3119, 0.1501 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

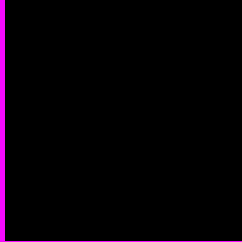
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 27.0299, 0.3119, 0.1501**

## **Background**



This preview shows how black text looks on a background with the Yxy color 27.0299, 0.3119, 0.1501.



This preview shows how white text looks on a background with the Yxy color 27.0299, 0.3119, 0.1501.

# 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

27.0299, 0.3119, 0.1501

### Protanopia

27.5701, 0.1973, 0.1758

### Deuteranopia

27.7336, 0.2006, 0.1945



## Tritanopia

26.8339, 0.4741, 0.3219

# Trichromacy



## Original Color

27.0299, 0.3119, 0.1501



## Protanomaly

20.7139, 0.2202, 0.1374



## Deuteranomaly

20.0954, 0.2212, 0.1439



## Tritanomaly

24.2497, 0.4142, 0.2352

# Monochromacy



## Original Color

27.0299, 0.3119, 0.1501



## Achromatopsia

14.9960, 0.3127, 0.3290



## Achromatomaly

14.4770, 0.3146, 0.1993

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 27.0299, 0.3119, 0.1501 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(246, 10, 255)` looks like.

```
.text, #text, p{  
    color:rgb(246, 10, 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(246, 10, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 10, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 27.0299, 0.3119, 0.1501 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(246, 10, 255) }
```

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

```
.border{ border-color:rgb(246, 10, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 10, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 10, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 10, 255);  
box-shadow:4px 4px 4px 4px rgb(246, 10,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 27.0299, 0.3119, 0.1501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 10, 255) }
```

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

```
.background{ background-color: rgb(246, 10,  
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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