

# Converting Colors

$Y_{xy}(26.3527, 0.3247, 0.1562)$

Have a look what the booklet for  
Yxy(26.3527, 0.3247, 0.1562)  
contains.

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# Color

**Yxy(26.3058, 0.3240, 0.1559)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F701F4
RGB	247, 1, 244
RGB Percent	97%, 0%, 96%
CMY	0.0316, 0.9979, 0.0433
CMYK	0.00, 1.00, 0.01, 0.03
HSL	301°, 100%, 49%
HSV	301°, 100%, 97%
XYZ	54.6702, 26.3058, 87.7591
YIQ	102.2560, 68.6130, 127.7250

# Conversions

## Conversions Part 2

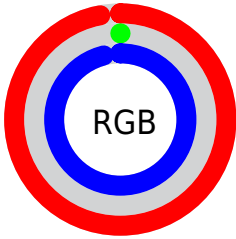
Format	Color
<b>RYB</b>	247, 1, 244
Decimal	16187892
CIELab	58.33, 95.45, -57.98
CIELCh	58, 111.679, 328.725
Yxy	26.3058, 0.3240, 0.1559
Android (android.graphics.Color)	4294377972 (0xFFFF701F4)
YUV	102.2560, 69.8798, 126.9405
Hunter-Lab	51.2892, 100.5107, -65.5466

# Details

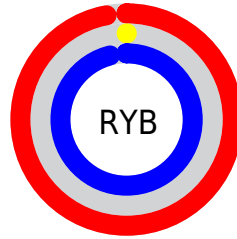
The Yxy color **26.3058, 0.3240, 0.1559** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **66.5035, 0.2999, 0.5993**, and the grayscale version is **13.0797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3806, 0.3192, 0.1907**, and **14.0270, 0.3196, 0.1534** is the 20% darker color. If you saturate the color by 10%, you get **26.2948, 0.3240, 0.1559**, and if you desaturate by 10%, it is **27.0189, 0.3235, 0.1588**.

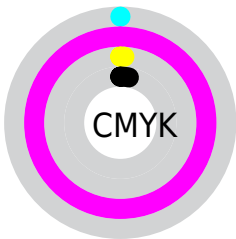
# Distribution



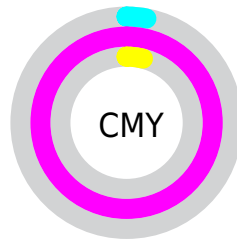
- Red (97%)
- Green (0%)
- Blue (96%)



- Red (97%)
- Yellow (0%)
- Blue (96%)



- Cyan (0%)
- Magenta (100%)
- Yellow (1%)
- Black (3%)




- Cyan (3%)
- Magenta (100%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.3058, 0.3240, 0.1559 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 26.3058, 0.3240, 0.1559 by changing the saturation by 10% instead.





 26.3058, 0.3240,  
0.1559

 26.3058, 0.3240,  
0.1559


284.2800, 0.3236,  
0.2330


 17.0526, 0.3228,  
0.1398


 53.7679, 0.3249,  
0.1816


 10.2720, 0.3205,  
0.1209


 72.7455, 0.3250,  
0.1919

 5.5797, 0.3165,  
0.0987


 95.7333, 0.3249,  
0.2009

 2.5912, 0.3094,  
0.0731

 123.1158, 0.3247,  
0.2089

 0.9222, 0.2965,  
0.0447

 155.2773, 0.3244,  
0.2160

 0.0000, 0.2775,  
0.0000

192.6023, 0.3242,

 0.0000, 0.2285,

0.2222

0.0000

235.4750, 0.3239,  
0.2279

■ 0.0000, 0.0315,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 26.3058, 0.3240,  
0.1559

■ 26.3058, 0.3240,  
0.1559

■ 26.2948, 0.3240,  
0.1559

■ 27.0189, 0.3235,  
0.1588

■ 28.6072, 0.3229,  
0.1652

■ 31.3318, 0.3220,  
0.1761

■ 35.3534, 0.3209,  
0.1912

40.8066, 0.3197,  
0.2100

47.8095, 0.3183,  
0.2318

56.4677, 0.3169,  
0.2556

66.8778, 0.3154,  
0.2804

79.1287, 0.3140,  
0.3052

# Harmonies

## Analogous

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



26.3058, 0.1781, 0.1178



26.3058, 0.3240, 0.1559



26.3058, 0.5198, 0.2230

# Triad

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



26.3058, 0.3240, 0.1559



26.3058, 0.4931, 0.5069



26.3058, 0.0718, 0.2258

# Complementary

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



26.3058, 0.3240, 0.1559



66.5035, 0.2999, 0.5993

# 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.



26.3058, 0.1148, 0.4368



26.3058, 0.3240, 0.1559



26.3058, 0.3525, 0.6430

# Square

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



26.3058, 0.3240, 0.1559



26.3058, 0.6070, 0.3877



26.3058, 0.2182, 0.6633



26.3058, 0.0715, 0.1369



# Rectangle

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



26.3058, 0.3240, 0.1559



26.3058, 0.6139, 0.2745



26.3058, 0.2182, 0.6633



26.3058, 0.0801, 0.2803

# Sweetspot

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



26.3070, 0.3240, 0.1559



60.4606, 0.3169, 0.2549



6.7278, 0.1501, 0.0601



12.0558, 0.3175, 0.2447



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.



26.3070, 0.3240, 0.1559



28.2828, 0.3240, 0.1559



21.2261, 0.4992, 0.2525



16.7646, 0.3140, 0.3060



13.9143, 0.3240, 0.1558



1.2240, 0.3236, 0.1556



# Inverse Universe

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



26.3070, 0.3240, 0.1559



28.2828, 0.3240, 0.1559



67.9446, 0.2732, 0.5034



16.7646, 0.3140, 0.3060



13.9143, 0.3240, 0.1558



1.2240, 0.3236, 0.1556



# Previews

## White Background



This preview shows how the Yxy color 26.3058, 0.3240, 0.1559 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

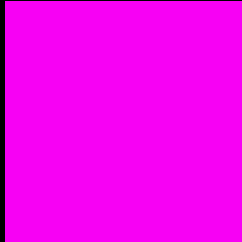
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 26.3058, 0.3240, 0.1559 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 26.3058, 0.3240, 0.1559**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.3058, 0.3240, 0.1559.



This preview shows how white text looks on a background with the Yxy color 26.3058, 0.3240, 0.1559.

# 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

26.3275, 0.3240, 0.1560

### Protanopia

27.1463, 0.1958, 0.1741

### Deuteranopia

27.0779, 0.2096, 0.2039



## Tritanopia

26.4809, 0.4866, 0.3232

# Trichromacy



## Original Color

26.3275, 0.3240, 0.1560



## Protanomaly

19.6072, 0.2201, 0.1353



## Deuteranomaly

19.5337, 0.2342, 0.1503



## Tritanomaly

23.6751, 0.4285, 0.2391

# Monochromacy



## Original Color

26.3275, 0.3240, 0.1560



## Achromatopsia

13.2868, 0.3127, 0.3290



## Achromatomaly

13.0822, 0.3204, 0.1973

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.3058, 0.3240, 0.1559 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(247, 1, 244)` looks like.

```
.text, #text, p{  
    color:rgb(247, 1, 244)  
}
```

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(247, 1, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 1, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 26.3058, 0.3240, 0.1559 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(247, 1, 244) }
```

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

```
.border{ border-color:rgb(247, 1, 244) }
```

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

Here you see how a box with a 4 pixel rgb(247, 1, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 1, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 1, 244);  
box-shadow:4px 4px 4px 4px rgb(247, 1,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.3058, 0.3240, 0.1559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 1, 244) }
```

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

```
.background{ background-color: rgb(247, 1,  
244) }
```

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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