

# Converting Colors

$Y_{xy}(26.5300, 0.3287, 0.1606)$

Have a look what the booklet for  
Yxy(26.5300, 0.3287, 0.1606)  
contains.

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# Color

**Yxy(26.5312, 0.3281, 0.1603)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F713F0
RGB	247, 19, 240
RGB Percent	97%, 7%, 94%
CMY	0.0315, 0.9242, 0.0589
CMYK	0.00, 0.92, 0.03, 0.03
HSL	302°, 93%, 52%
HSV	302°, 92%, 97%
XYZ	54.3037, 26.5312, 84.6747
YIQ	112.3660, 64.9470, 117.0670

# Conversions

## Conversions Part 2

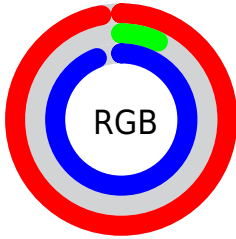
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	247, 19, 240
Decimal	16192496
CIE Lab	58.54, 93.61, -55.41
CIE LCh	59, 108.775, 329.379
Yxy	26.5312, 0.3281, 0.1603
Android (android.graphics.Color)	4294382576 (0xFFFF713F0)
YUV	112.3660, 62.9236, 118.0740
Hunter-Lab	51.5084, 98.0471, -61.4109

# Details

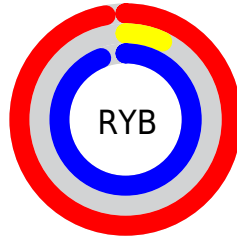
The Yxy color **26.5312, 0.3281, 0.1603** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **66.7127, 0.2996, 0.5929**, and the grayscale version is **16.1664, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9954, 0.3191, 0.1928**, and **13.8580, 0.3250, 0.1564** is the 20% darker color. If you saturate the color by 10%, you get **26.0207, 0.3289, 0.1585**, and if you desaturate by 10%, it is **27.9034, 0.3269, 0.1656**.

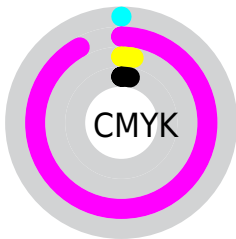
# Distribution



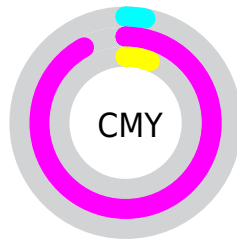
- Red (97%)
- Green (7%)
- Blue (94%)



- Red (97%)
- Yellow (7%)
- Blue (94%)



- Cyan (0%)
- Magenta (92%)
- Yellow (3%)
- Black (3%)




- Cyan (3%)
- Magenta (92%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.5312, 0.3281, 0.1603 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 26.5312, 0.3281, 0.1603 by changing the saturation by 10% instead.





 26.5312, 0.3281,  
0.1603


 26.5312, 0.3281,  
0.1603


285.3801, 0.3253,  
0.2359


 17.2215, 0.3275,  
0.1443


 54.1307, 0.3281,  
0.1856

 10.3925, 0.3260,  
0.1255


 73.1892, 0.3278,  
0.1958

 5.6600, 0.3231,  
0.1033


 96.2661, 0.3274,  
0.2046

 2.6394, 0.3174,  
0.0773

 123.7457, 0.3270,  
0.2124

 0.9465, 0.3064,  
0.0481

 156.0126, 0.3266,  
0.2193

 0.0000, 0.2903,  
0.0000

193.4510, 0.3262,

 0.0000, 0.2426,

0.2255

0.0000

236.4453, 0.3257,  
0.2310

■ 0.0000, 0.0198,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 26.5312, 0.3281,  
0.1603

■ 26.5312, 0.3281,  
0.1603

■ 26.0207, 0.3289,  
0.1585

■ 27.9034, 0.3269,  
0.1656

■ 30.3669, 0.3255,  
0.1753

■ 34.0918, 0.3239,  
0.1892

■ 39.2181, 0.3222,  
0.2071

45.8672, 0.3203,  
0.2280

54.1475, 0.3184,  
0.2511

64.1574, 0.3165,  
0.2753

75.9877, 0.3147,  
0.2998

89.7227, 0.3131,  
0.3239

# Harmonies

## Analogous

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



26.5312, 0.1834, 0.1217



26.5312, 0.3281, 0.1603



26.5312, 0.5182, 0.2273

# Triad

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



26.5312, 0.3281, 0.1603



26.5312, 0.4901, 0.5099



26.5312, 0.0754, 0.2263

# Complementary

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



26.5312, 0.3281, 0.1603



66.7127, 0.2996, 0.5929

# 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.



26.5312, 0.1178, 0.4284



26.5312, 0.3281, 0.1603



26.5312, 0.3517, 0.6380

# Square

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



26.5312, 0.3281, 0.1603



26.5312, 0.6005, 0.3920



26.5312, 0.2198, 0.6499



26.5312, 0.0752, 0.1397



# Rectangle

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



26.5312, 0.3281, 0.1603



26.5312, 0.6084, 0.2787



26.5312, 0.2198, 0.6499



26.5312, 0.0835, 0.2787

# Sweetspot

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



26.5325, 0.3281, 0.1603



62.4547, 0.3176, 0.2610



7.3728, 0.1535, 0.0651



12.4252, 0.3184, 0.2506



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.



26.5325, 0.3281, 0.1603



27.9863, 0.3289, 0.1585



21.8370, 0.4878, 0.2502



16.7590, 0.3143, 0.3064



13.7711, 0.3287, 0.1585



1.2131, 0.3277, 0.1579



# Inverse Universe

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



26.5325, 0.3281, 0.1603



27.9863, 0.3289, 0.1585



68.4409, 0.2691, 0.4843



16.7590, 0.3143, 0.3064



13.7711, 0.3287, 0.1585



1.2131, 0.3277, 0.1579



# Previews

## White Background



This preview shows how the Yxy color 26.5312, 0.3281, 0.1603 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

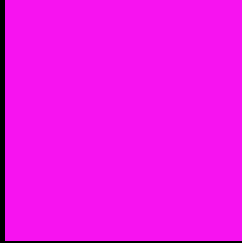
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 26.5312, 0.3281, 0.1603 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

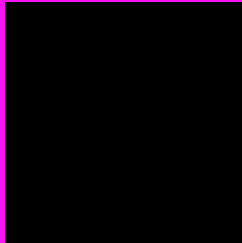
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 26.5312, 0.3281, 0.1603**

## Background



This preview shows how black text looks on a background with the Yxy color 26.5312, 0.3281, 0.1603.



This preview shows how white text looks on a background with the Yxy color 26.5312, 0.3281, 0.1603.

# 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

26.5312, 0.3281, 0.1603

### Protanopia

27.1908, 0.1962, 0.1742

### Deuteranopia

26.8679, 0.2131, 0.2062



## Tritanopia

26.2995, 0.4873, 0.3222

# Trichromacy



## Original Color

26.5312, 0.3281, 0.1603



## Protanomaly

20.8373, 0.2225, 0.1426



## Deuteranomaly

20.7085, 0.2396, 0.1596



## Tritanomaly

24.2858, 0.4302, 0.2452

# Monochromacy



## Original Color

26.5312, 0.3281, 0.1603



## Achromatopsia

16.5132, 0.3127, 0.3290



## Achromatomaly

15.7765, 0.3223, 0.2123

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.5312, 0.3281, 0.1603 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, 19, 240)` looks like.

```
.text, #text, p{  
    color:rgb(247, 19, 240)  
}
```

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, 19, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 19, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 26.5312, 0.3281, 0.1603 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, 19, 240) }
```

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

```
.border{ border-color:rgb(247, 19, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 19, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 19, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 19, 240);  
box-shadow:4px 4px 4px 4px rgb(247, 19,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.5312, 0.3281, 0.1603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 19, 240) }
```

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

```
.background{ background-color: rgb(247, 19,  
240) }
```

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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