

# Converting Colors

$Y_{xy}(27.0889, 0.4135, 0.2286)$

Have a look what the booklet for  
Yxy(27.0889, 0.4135, 0.2286)  
contains.

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# Color

**Yxy(27.0079, 0.4136, 0.2289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FA40AD
RGB	250, 64, 173
RGB Percent	98%, 25%, 68%
CMY	0.0196, 0.7490, 0.3215
CMYK	0.00, 0.74, 0.31, 0.02
HSL	325°, 95%, 62%
HSV	325°, 74%, 98%
XYZ	48.8006, 27.0079, 42.1814
YIQ	132.0400, 75.8670, 73.3310

# Conversions

## Conversions Part 2

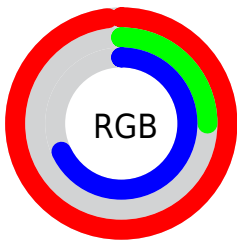
Format	Color
R <sub>Y</sub> B	250, 64, 173
Decimal	16400557
CIE Lab	58.98, 77.18, -16.52
CIE LCh	59, 78.925, 347.919
Yxy	27.0079, 0.4136, 0.2289
Android (android.graphics.Color)	4294590637 (0xFFFA40AD)
YUV	132.0400, 20.1933, 103.4509
Hunter-Lab	51.9691, 76.6711, -11.7451

# Details

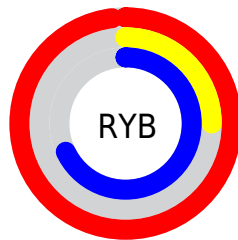
The Yxy color **27.0079, 0.4136, 0.2289** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **71.3832, 0.2753, 0.4781**, and the grayscale version is **22.9975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2998, 0.3431, 0.2305**, and **12.1993, 0.4380, 0.2187** is the 20% darker color. If you saturate the color by 10%, you get **24.4077, 0.4332, 0.2263**, and if you desaturate by 10%, it is **30.9043, 0.3946, 0.2364**.

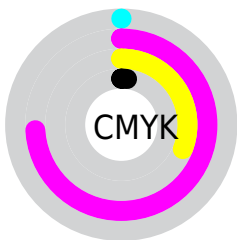
# Distribution



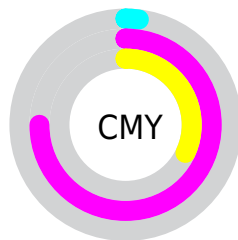
- Red (98%)
- Green (25%)
- Blue (68%)



- Red (98%)
- Yellow (25%)
- Blue (68%)



- Cyan (0%)
- Magenta (74%)
- Yellow (31%)
- Black (2%)




- Cyan (2%)
- Magenta (75%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 27.0079, 0.4136, 0.2289 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 27.0079, 0.4136, 0.2289 by changing the saturation by 10% instead.





 27.0079, 0.4136,  
0.2289


 27.0079, 0.4136,  
0.2289


287.6954, 0.3612,  
0.2790


 17.5792, 0.4272,  
0.2166


 54.8965, 0.3942,  
0.2470

 10.6483, 0.4449,  
0.2009


 74.1252, 0.3870,  
0.2538


 5.8308, 0.4688,  
0.1805


 97.3894, 0.3809,  
0.2596

 2.7425, 0.5026,  
0.1530

 125.0733, 0.3758,  
0.2646

 0.9988, 0.5532,  
0.1150

 157.5615, 0.3714,  
0.2689

 0.0000, 0.6769,  
0.0000

195.2383, 0.3676,

 0.0000, 1.0000,

0.2727

0.0000

238.4881, 0.3642,  
0.2760

■ 0.0000, 0.0000,  
0.0000

■ 27.0079, 0.4136,  
0.2289

■ 27.0079, 0.4136,  
0.2289

■ 24.4077, 0.4332,  
0.2263

■ 30.9043, 0.3946,  
0.2364

■ 22.9153, 0.4524,  
0.2290


■ 36.2429, 0.3768,  
0.2477


■ 22.4149, 0.4630,  
0.2324

■ 43.1547, 0.3608,  
0.2614

■ 51.7545, 0.3468,  
0.2766

■ 62.1466, 0.3348,  
0.2923

 74.4265, 0.3246,  
0.3078

 88.6832, 0.3160,  
0.3227

 99.0635, 0.3096,  
0.3290

# Harmonies

## Analogous

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



27.0079, 0.2791, 0.1781



27.0079, 0.4136, 0.2289



27.0079, 0.5291, 0.2974

# Triad

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



27.0079, 0.4136, 0.2289



27.0079, 0.4104, 0.5458



27.0079, 0.1135, 0.2042

# Complementary

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



27.0079, 0.4136, 0.2289



71.3832, 0.2753, 0.4781

# 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.



27.0079, 0.1321, 0.3072



27.0079, 0.4136, 0.2289



27.0079, 0.2987, 0.5727

# Square

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



27.0079, 0.4136, 0.2289



27.0079, 0.5075, 0.4598



27.0079, 0.1957, 0.4669



27.0079, 0.1300, 0.1601



# Rectangle

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



27.0079, 0.4136, 0.2289



27.0079, 0.5603, 0.3475



27.0079, 0.1957, 0.4669



27.0079, 0.1155, 0.2308

# Sweetspot

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



27.0093, 0.4136, 0.2289



67.8744, 0.3322, 0.2960



16.0083, 0.2154, 0.1163



13.8282, 0.3351, 0.2917



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.



27.0093, 0.4136, 0.2289



24.6681, 0.4423, 0.2269



24.6103, 0.5487, 0.3155



17.3959, 0.3202, 0.3152



11.9192, 0.4600, 0.2308



1.1250, 0.4388, 0.2191



# Inverse Universe

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



27.0093, 0.4136, 0.2289



24.6681, 0.4423, 0.2269



75.2522, 0.2375, 0.3520



17.3959, 0.3202, 0.3152



11.9192, 0.4600, 0.2308



1.1250, 0.4388, 0.2191



# Previews

## White Background



This preview shows how the Yxy color 27.0079, 0.4136, 0.2289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

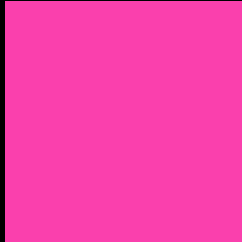
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 27.0079, 0.4136, 0.2289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

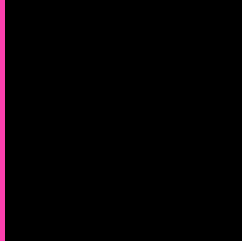
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 27.0079, 0.4136, 0.2289**

## Background



This preview shows how black text looks on a background with the Yxy color 27.0079, 0.4136, 0.2289.



This preview shows how white text looks on a background with the Yxy color 27.0079, 0.4136, 0.2289.

# 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

27.0079, 0.4136, 0.2289

### Protanopia

27.2625, 0.2210, 0.2049

### Deuteranopia

27.2206, 0.2967, 0.2916



## Tritanopia

27.0029, 0.5148, 0.3250

# Trichromacy



## Original Color

27.0079, 0.4136, 0.2289



## Protanomaly

23.5669, 0.2696, 0.2014



## Deuteranomaly

24.5687, 0.3365, 0.2541



## Tritanomaly

26.5899, 0.4811, 0.2887

# Monochromacy



## Original Color

27.0079, 0.4136, 0.2289



## Achromatopsia

23.0740, 0.3127, 0.3290



## Achromatomaly

21.7359, 0.3514, 0.2708

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 27.0079, 0.4136, 0.2289 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(250, 64, 173)` looks like.

```
.text, #text, p{  
    color:rgb(250, 64, 173)  
}
```

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(250, 64, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 64, 173) }
```

## Border

The CSS property to change the border of an element to Yxy 27.0079, 0.4136, 0.2289 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(250, 64, 173) }
```

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

```
.border{ border-color:rgb(250, 64, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 64, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 64, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 64, 173);  
box-shadow:4px 4px 4px 4px rgb(250, 64,  
173) }
```



# Background

The CSS property to change the background color of an element to Yxy 27.0079, 0.4136, 0.2289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 64, 173) }
```

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

```
.background{ background-color: rgb(250, 64,  
173) }
```

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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