

Converting Colors

$Y_{xy}(27.6461, 0.4246, 0.2486)$

Have a look what the booklet for
Yxy(27.6461, 0.4246, 0.2486)
contains.

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Color

Yxy(27.6148, 0.4236, 0.2480)

Conversions

Conversions Part 1

Format	Color
Hex	F64EA1
RGB	246, 78, 161
RGB Percent	96%, 31%, 63%
CMY	0.0352, 0.6942, 0.3686
CMYK	0.00, 0.68, 0.35, 0.04
HSL	330°, 90%, 64%
HSV	330°, 68%, 96%
XYZ	47.1679, 27.6148, 36.5673
YIQ	137.6940, 73.4850, 61.4290

Conversions

Conversions Part 2

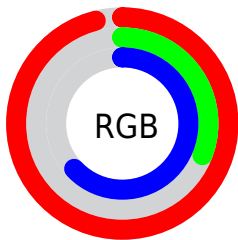
Format	Color
R _Y B	246, 78, 161
Decimal	16141985
CIE Lab	59.54, 70.26, -8.78
CIE LCh	60, 70.805, 352.877
Yxy	27.6148, 0.4236, 0.2480
Android (android.graphics.Color)	4294332065 (0xFFFF64EA1)
YUV	137.6940, 11.4899, 94.9844
Hunter-Lab	52.5498, 68.2567, -4.4727

Details

The Yxy color **27.6148, 0.4236, 0.2480** 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 **70.1835, 0.2689, 0.4419**, and the grayscale version is **25.2267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.3948, 0.3537, 0.2503**, and **11.4401, 0.4563, 0.2287** is the 20% darker color. If you saturate the color by 10%, you get **24.3332, 0.4486, 0.2443**, and if you desaturate by 10%, it is **32.2495, 0.4001, 0.2560**.

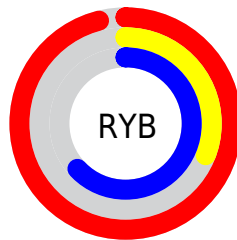
Distribution



Red (96%)

Green (31%)

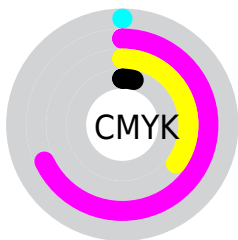
Blue (63%)



Red (96%)

Yellow (31%)

Blue (63%)

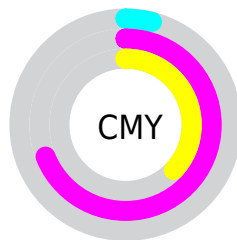


Cyan (0%)

Magenta (68%)

Yellow (35%)

Black (4%)



Cyan (4%)


Magenta (69%)

Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6148, 0.4236, 0.2480 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 27.6148, 0.4236, 0.2480 by changing the saturation by 10% instead.


 27.6148, 0.4236,
0.2480


 27.6148, 0.4236,
0.2480


290.6217, 0.3649,
0.2897


 18.0355, 0.4392,
0.2373


 55.8689, 0.4015,
0.2634

 10.9755, 0.4598,
0.2235


 75.3124, 0.3935,
0.2691

 6.0503, 0.4881,
0.2051


 98.8128, 0.3867,
0.2739

 2.8757, 0.5289,
0.1793

 126.7545, 0.3810,
0.2780

 1.0672, 0.5921,
0.1417

159.5218, 0.3762,
0.2815

 0.0000, 0.7788,
0.0000

197.4992, 0.3719,

 0.0000, 1.0000,

0.2846

0.0000

241.0710, 0.3682,
0.2873

■ 0.0000, 0.0000,
0.0000

■ 27.6148, 0.4236,
0.2480

■ 27.6148, 0.4236,
0.2480

■ 24.3332, 0.4486,
0.2443

■ 32.2495, 0.4001,
0.2560

■ 22.2447, 0.4739,
0.2458

■ 38.3649, 0.3789,
0.2668


■ 21.1332, 0.4982,
0.2526


■ 46.0783, 0.3604,
0.2794

■ 20.9896, 0.5023,
0.2541

■ 55.4941, 0.3447,
0.2927

■ 66.7077, 0.3314,
0.3060

 79.8076, 0.3204,
0.3189

 94.8761, 0.3113,
0.3310

 98.3354, 0.3072,
0.3290

Harmonies

Analogous

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



27.6148, 0.3019, 0.1966



27.6148, 0.4236, 0.2480



27.6148, 0.5173, 0.3147

Triad

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



27.6148, 0.4236, 0.2480



27.6148, 0.3911, 0.5363



27.6148, 0.1290, 0.2070

Complementary

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



27.6148, 0.4236, 0.2480



70.1835, 0.2689, 0.4419

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.



27.6148, 0.1420, 0.2923



27.6148, 0.4236, 0.2480



27.6148, 0.2875, 0.5356

Square

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



27.6148, 0.4236, 0.2480



27.6148, 0.4820, 0.4682



27.6148, 0.1958, 0.4271



27.6148, 0.1497, 0.1710

Rectangle

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



27.6148, 0.4236, 0.2480



27.6148, 0.5379, 0.3632



27.6148, 0.1958, 0.4271



27.6148, 0.1294, 0.2292

Sweetspot

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



27.6163, 0.4236, 0.2480



70.1140, 0.3335, 0.3037



19.7835, 0.2392, 0.1381



14.2517, 0.3371, 0.3000



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.



27.6163, 0.4236, 0.2480



25.3831, 0.4584, 0.2442



25.5926, 0.5424, 0.3297



16.6191, 0.3216, 0.3174



11.2302, 0.4985, 0.2520



1.0078, 0.4703, 0.2364

Inverse Universe

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



27.6163, 0.4236, 0.2480



25.3831, 0.4584, 0.2442



74.1941, 0.2337, 0.3288



16.6191, 0.3216, 0.3174



11.2302, 0.4985, 0.2520



1.0078, 0.4703, 0.2364

Previews

White Background



This preview shows how the Yxy color 27.6148, 0.4236, 0.2480 looks on a white background.

Color Contrast Check

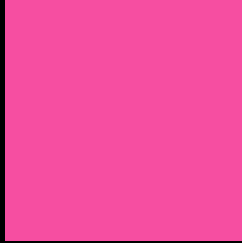
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6148, 0.4236, 0.2480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

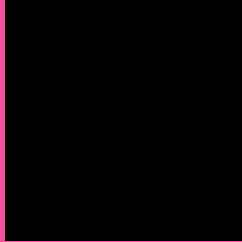
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.6148, 0.4236, 0.2480

Background



This preview shows how black text looks on a background with the Yxy color 27.6148, 0.4236, 0.2480.



This preview shows how white text looks on a background with the Yxy color 27.6148, 0.4236, 0.2480.

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

27.6148, 0.4236, 0.2480

Protanopia

27.9907, 0.2450, 0.2374

Deuteranopia

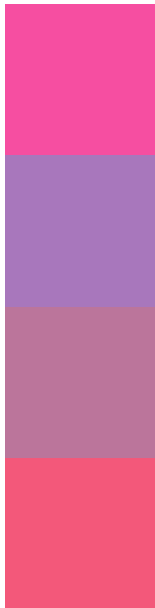
27.6023, 0.3158, 0.3088



Tritanopia

27.4303, 0.5009, 0.3237

Trichromacy



Original Color

27.6148, 0.4236, 0.2480

Protanomaly

25.1493, 0.2954, 0.2335

Deuteranomaly

25.6539, 0.3537, 0.2769

Tritanomaly

27.4393, 0.4738, 0.2957

Monochromacy



Original Color

27.6148, 0.4236, 0.2480

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

23.9132, 0.3531, 0.2856

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6148, 0.4236, 0.2480 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, 78, 161)` looks like.

```
.text, #text, p{  
    color:rgb(246, 78, 161)  
}
```

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, 78, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 78, 161) }
```

Border

The CSS property to change the border of an element to Yxy 27.6148, 0.4236, 0.2480 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, 78, 161) }
```

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

```
.border{ border-color:rgb(246, 78, 161) }
```

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

Here you see how a box with a 4 pixel rgb(246, 78, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 78, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 78, 161);  
box-shadow:4px 4px 4px 4px rgb(246, 78,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6148, 0.4236, 0.2480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 78, 161) }
```

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

```
.background{ background-color: rgb(246, 78,  
161) }
```

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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