

Converting Colors

$Y_{xy}(24.3747, 0.4493, 0.2561)$

Have a look what the booklet for
Yxy(24.3747, 0.4493, 0.2561)
contains.

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Color

Yxy(24.3747, 0.4493, 0.2561)

Conversions

Conversions Part 1

Format	Color
Hex	F0428E
RGB	240, 66, 142
RGB Percent	94%, 26%, 56%
CMY	0.0589, 0.7411, 0.4432
CMYK	0.00, 0.72, 0.41, 0.06
HSL	334°, 85%, 60%
HSV	334°, 72%, 94%
XYZ	42.7628, 24.3747, 28.0390
YIQ	126.6900, 79.3080, 60.5240

Conversions

Conversions Part 2

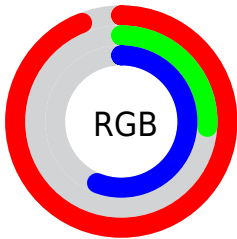
Format	Color
R _Y B	240, 66, 142
Decimal	15745678
CIE Lab	56.46, 70.80, -2.31
CIE LCh	56, 70.835, 358.132
Yxy	24.3747, 0.4493, 0.2561
Android (android.graphics.Color)	4293935758 (0xFFFF0428E)
YUV	126.6900, 7.5478, 99.3729
Hunter-Lab	49.3707, 68.2102, 0.8871

Details

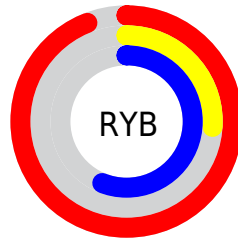
The Yxy color **24.3747, 0.4493, 0.2561** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **66.1546, 0.2638, 0.4351**, and the grayscale version is **21.0693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4243, 0.3765, 0.2589**, and **10.3564, 0.4895, 0.2470** is the 20% darker color. If you saturate the color by 10%, you get **21.7525, 0.4782, 0.2557**, and if you desaturate by 10%, it is **28.2243, 0.4215, 0.2612**.

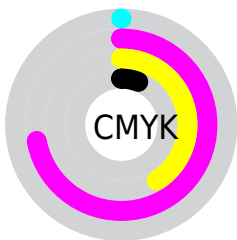
Distribution



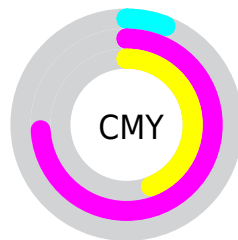
- Red (94%)
- Green (26%)
- Blue (56%)



- Red (94%)
- Yellow (26%)
- Blue (56%)



- Cyan (0%)
- Magenta (72%)
- Yellow (41%)
- Black (6%)



- Cyan (6%)
- Magenta (74%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3747, 0.4493, 0.2561 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 24.3747, 0.4493, 0.2561 by changing the saturation by 10% instead.


 24.3747, 0.4493,
0.2561


 24.3747, 0.4493,
0.2561


274.7094, 0.3749,
0.2954


 15.6118, 0.4699,
0.2454


 50.6410, 0.4208,
0.2711

 9.2499, 0.4974,
0.2311


 68.9131, 0.4105,
0.2765


 4.9045, 0.5359,
0.2114

 91.1238, 0.4020,
0.2810

 2.1914, 0.5929,
0.1826

 117.6575, 0.3949,
0.2848

 0.7153, 0.6838,
0.1366

 148.8985, 0.3887,
0.2880

 0.0000, 1.0000,
0.0000

185.2312, 0.3835,

 0.0000, 0.0000,

0.2908

0.0000

227.0400, 0.3789,
0.2933

■ 24.3747, 0.4493,
0.2561

■ 24.3747, 0.4493,
0.2561

■ 21.7525, 0.4782,
0.2557

■ 28.2243, 0.4215,
0.2612

■ 20.1938, 0.5065,
0.2607


■ 33.4299, 0.3962,
0.2697

■ 19.5392, 0.5265,
0.2674


■ 40.1081, 0.3740,
0.2803

■ 48.3616, 0.3550,
0.2919

■ 58.2840, 0.3391,
0.3037

 69.9615, 0.3260,
0.3153

 83.4742, 0.3151,
0.3264

 96.9548, 0.3063,
0.3337

 97.2634, 0.3035,
0.3290

Harmonies

Analogous

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



24.3747, 0.3224, 0.2000



24.3747, 0.4493, 0.2561



24.3747, 0.5349, 0.3257

Triad

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



24.3747, 0.4493, 0.2561



24.3747, 0.3734, 0.5515



24.3747, 0.1249, 0.1927

Complementary

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



24.3747, 0.4493, 0.2561



66.1546, 0.2638, 0.4351

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.



24.3747, 0.1314, 0.2701



24.3747, 0.4493, 0.2561



24.3747, 0.2668, 0.5334

Square

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



24.3747, 0.4493, 0.2561



24.3747, 0.4716, 0.4854



24.3747, 0.1780, 0.4050



24.3747, 0.1520, 0.1635

Rectangle

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



24.3747, 0.4493, 0.2561



24.3747, 0.5452, 0.3758



24.3747, 0.1780, 0.4050



24.3747, 0.1232, 0.2122

Sweetspot

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



24.3760, 0.4493, 0.2561



67.4100, 0.3385, 0.3042



17.8413, 0.2417, 0.1326



13.7187, 0.3426, 0.3010



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.



24.3760, 0.4493, 0.2561



23.9684, 0.4920, 0.2574



23.9124, 0.5549, 0.3367



15.8735, 0.3225, 0.3187



10.7228, 0.5226, 0.2652



0.9117, 0.4895, 0.2470

Inverse Universe

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



24.3760, 0.4493, 0.2561



23.9684, 0.4920, 0.2574



64.7651, 0.2287, 0.3177



15.8735, 0.3225, 0.3187



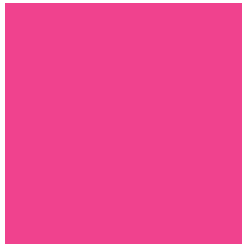
10.7228, 0.5226, 0.2652



0.9117, 0.4895, 0.2470

Previews

White Background



This preview shows how the Yxy color 24.3747, 0.4493, 0.2561 looks on a white background.

Color Contrast Check

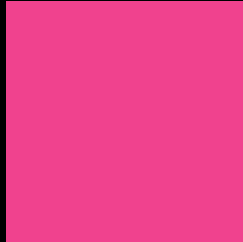
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3747, 0.4493, 0.2561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

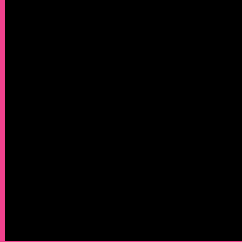
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.3747, 0.4493, 0.2561

Background



This preview shows how black text looks on a background with the Yxy color 24.3747, 0.4493, 0.2561.



This preview shows how white text looks on a background with the Yxy color 24.3747, 0.4493, 0.2561.

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

24.3747, 0.4493, 0.2561

Protanopia

24.6179, 0.2539, 0.2484

Deuteranopia

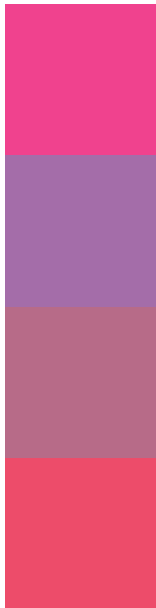
24.4101, 0.3327, 0.3258



Tritanopia

24.3736, 0.5238, 0.3259

Trichromacy



Original Color

24.3747, 0.4493, 0.2561

Protanomaly

21.6944, 0.3108, 0.2414

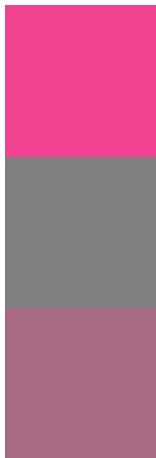
Deuteranomaly

22.3602, 0.3764, 0.2879

Tritanomaly

24.2140, 0.4981, 0.3007

Monochromacy



Original Color

24.3747, 0.4493, 0.2561

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.0939, 0.3632, 0.2878

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3747, 0.4493, 0.2561 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(240, 66, 142)` looks like.

```
.text, #text, p{  
    color:rgb(240, 66, 142)  
}
```

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(240, 66, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 66, 142) }
```

Border

The CSS property to change the border of an element to Yxy 24.3747, 0.4493, 0.2561 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(240, 66, 142) }
```

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

```
.border{ border-color:rgb(240, 66, 142) }
```

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

Here you see how a box with a 4 pixel rgb(240, 66, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 66, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 66, 142);  
box-shadow:4px 4px 4px 4px rgb(240, 66,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3747, 0.4493, 0.2561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 66, 142) }
```

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

```
.background{ background-color: rgb(240, 66,  
142) }
```

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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